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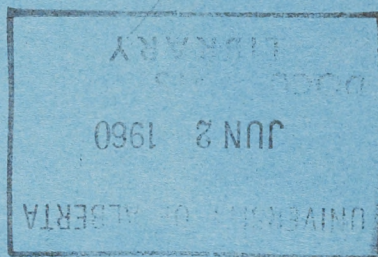
# ANNUAL REPORT

OF THE

## Board of Grain Commissioners for Canada

FOR THE YEAR

1959



DEPARTMENT OF TRADE AND COMMERCE

OTTAWA, CANADA

*Minister:*

HON. GORDON CHURCHILL, M.P.

*Deputy Minister:*

JOHN H. ENGLISH

QUEEN'S PRINTER AND CONTROLLER OF STATIONERY  
OTTAWA, 1960.

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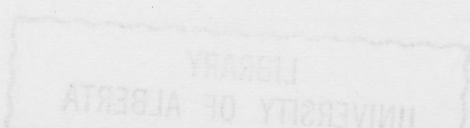
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*BOARD OF GRAIN COMMISSIONERS*

Winnipeg, Manitoba,  
January 22, 1960.

The Honourable Gordon Churchill, M.P.,  
Minister of Trade and Commerce,  
Ottawa, Canada.

Sir:

We beg to submit herewith Report of the Board of Grain Commissioners for Canada for the year 1959 in compliance with Section 23 of the Canada Grain Act.

This report records information and statistics relating to grain handlings for the crop year August 1, 1958 to July 31, 1959, expenditures and revenue for the fiscal year April 1, 1958 to March 31, 1959, and summarizes the major activities of the Board for the 1959 calendar year.

**Grain Supplies and Disposition—Crop Year 1958-59**

Exports and domestic needs exceeded new grain production during the 1958-59 crop year and Canadian grain holdings declined for the second consecutive season. The July 31, 1959, storage totals were some 13% below the previous year's carryover and 28% below the record supplies held at the close of 1956-57.

Canadian grain stocks on August 1, 1958, included 928 million bushels of wheat, oats, barley, rye and flaxseed held either in licensed storage or in farm bins or in transit between positions. The 1958 crops of 371.7 million bushels of wheat and 8.0 million bushels of rye were relatively unchanged from the previous season's levels but improved yields of the other three principal grains resulted in slightly heavier production of oats (401 millions), barley (244.8 millions) and flaxseed (22.8 million bushels). Inward carryover augmented by 1958 production made available approximately 1,976 million bushels of these five grains, combined, for domestic needs and exports, 139 million bushels less than the total grain supplies available in the preceding season.

Canada exported from these supplies 377.8 million bushels either as grain or in the form of wheat flour, a drop of 58.4 million bushels from the 1957-58 overseas and U.S. movement. Domestic requirements for feed, seed, commercial products and human consumption rose still further during 1958-59 absorbing a record 788 million bushels of the five principal grains. The combined export and domestic movement—1,165.9 million bushels—while lighter than the 1,215 millions total disappearance recorded for 1957-58, still more than offset the 1958 production and the 810.6 million bushels of grain on hand in Canada on July 31, 1959, reflected a reduction of 117.7 millions from the preceding year-end carryover.

The lighter export movement resulted in a general backing up within the entire handling system. The Pacific Coast loadings fell off from the record level set in 1957-58 but still held above previous levels notwithstanding the fact that these ports were strike-bound during the early portion of the season. Movement through the Great Lakes-Atlantic system also fell off as a result of the reduced clearances to United States points. The overseas total by way of the Eastern system declined only slightly from the previous season although the early movement of ocean boats into Great Lakes following the opening of the St. Lawrence Seaway resulted in a diversion of ocean loadings from St. Lawrence ports to direct shipping at Fort William-Port Arthur.



### Marketings

Storage congestion still limited the primary movement into the licensed system. Western country elevator average stocks held at high levels throughout the season and despite the development of storage space in certain areas the overall volume of primary marketings at 557.7 million bushels was 23.0 millions below the 1957-58 total. Primary receipts at western country elevators accounted for 546.2 million bushels of this total with a further 5.5 millions delivered to interior mills and terminals, .2 millions marketed over country loading platforms and 5.8 millions delivered direct to licensed eastern elevators. This latter quantity of eastern grown grain, chiefly wheat, was slightly higher than the eastern marketings of the past several years.

### Country Elevator Shipments

The controlling influence of Canada's export trade on country grain shipments was directly illustrated by the 1958-59 carlot movement from country elevators. Reflecting back into country loadings, the 58.4 million bushel total reduction in overseas clearances was paralleled by a 59.3 million bushel drop in the total quantities put on rails at western country elevators. The cut-back in loadings closely paralleled the overseas reduction not only on grain for grain basis but also in the east-west distribution of these shipments.

### Terminal Handlings

The drop in United States imports of Canadian grain was most noticeable in Lakehead handling statistics. Shipments from Fort William-Port Arthur to United States ports fell off from 47.6 million bushels in 1957-58 to only 16.3 millions in 1958-59. Correspondingly Fort William-Port Arthur unloads of the five principal grains combined, at 287.8 million bushels, were down 38.2 million bushels from 1957-58 receipts. Total shipments to all points including direct overseas amounted to 278.2 million bushels by lake and 11.4 millions by rail for an all-grain total of 289.6 million bushels compared with 326.9 millions in 1957-58. The 1958-59 Lakehead vessel traffic included 11.9 millions of direct overseas loadings, all but .6 millions of which moved during the spring period when the first influx of ocean boats came into the Great Lakes system through the St. Lawrence Seaway.

The 1958-59 wheat export movement through the port of Churchill amounted to 18.4 million bushels. A further cargo of .3 million bushels of oats moved overseas. The 1958 shipping season total, including the 1.8 millions of wheat shipped prior to July 31, 1958, established a new season record for wheat shipping via this port with 55 vessels carrying 19.6 million bushels. This record was further surpassed during the 1959 season when 58 overseas vessels carried 21.8 millions of wheat via the northern route.

Pacific coast ports strike-bound during late August and September shipped 154.1 million bushels of grain on ocean vessels, 15.5 million less than the record 1957-58 export loadings but still the second highest ocean movement in the history of that sector. The crop year total included 106.5 millions of wheat, 3.7 million bushels of oats, 36.9 millions of barley, .3 millions of rye and 6.7 million bushels of flaxseed. The barley and flaxseed shipments constituted record crop year volumes for these two grains via Pacific Coast ports.

### Eastern Elevator Handlings

The closing three months of the 1958-59 season presented an entirely new situation for Canada's Eastern elevators. With the St. Lawrence Seaway open, ocean boats of economical size could now move all the way up to the head of the

## BOARD OF GRAIN COMMISSIONERS

inland system and conversely the large upper-lake vessels could carry their full cargo from Fort William-Port Arthur direct to St. Lawrence ports. The ocean vessel movement direct from the Head of the Lakes accounted for 11.3 million bushels of grain during that three-month period. What portion of this would have been otherwise exported via St. Lawrence ports is impossible to assess. However, loadings at Montreal, Sorel, Three Rivers and Quebec during the 1958-59 season fell off approximately 15 million bushels to a total of 108.1 millions of the five principal Canadian grains combined. At the same time the opening of the St. Lawrence Seaway gave rise to a substantial increase in the export movement of United States grains via St. Lawrence Canadian elevators and these latter ports handled for export approximately 17 million bushels of U.S. grain during the spring period alone. The ability of the upper lake vessels to move directly to St. Lawrence ports with consequent savings over the former transfer movement resulted in a substantial increase in direct unloads at the river ports. From the opening of the Seaway to July 31, 20.7 millions bushels of grain were unloaded at Montreal and below direct from the Lakehead compared with only 3.2 millions during the corresponding 1958 period.

There was little change in the grain handling levels at the Maritime ports of Saint John and Halifax. Shipments from these elevators during 1958-59 totalled 31.1 million bushels made up of 29.7 millions of wheat, 1.3 millions of flaxseed and small parcels of oats and barley. An initial test movement of western grain direct by vessel from Fort William-Port Arthur to Halifax for Maritime domestic use took place during the closing period of the crop year. The potential of this movement remains to be assessed.

### Exports

Canada's exports of the five principal grains, together with clearances of wheat flour, totalled 377.8 million bushels in the 1958-59 crop year. These shipments were made up of 252.2 million bushels of wheat, moved through licensed elevator channels, 36.7 millions of wheat flour (in terms of wheat equivalent), 7.0 millions of oats, 64.4 million bushels of barley, 3.2 millions of rye and 14.3 million bushels of flaxseed. Compared with last year's clearances, all grains except flaxseed registered a decline; wheat dropped 23.5 millions behind last year's level, wheat flour 3.7 millions, oats 18.9 million bushels, barley 10.7 millions and rye 2.2 millions. The minor increase in flaxseed overseas shipments of .6 millions had little significance in the overall total decline of 58.4 million bushels for the five grains and wheat flour combined. The total 1958-59 exports are still some 60.4 million bushels ahead of the long-run average of the Canadian yearly export movement.

During the season under review, Canada maintained its position as one of the leading world exporters of grain. The bread grain and flour clearances (including rye) represented 25.3% of the total world movement in these commodities. The total exports of Canadian oats and barley combined, represented 18% of the world exports, some 4% better than the ratio established in the crop season 1957-58.

### Domestic Usage

Canada's domestic grain requirements for seed, feed and industrial processing for food and other products were expanded by 9 million bushels during 1958-59 to involve a total of 788 million bushels of wheat, oats, barley, rye and flaxseed combined. Crop year balances indicate that domestic disappearance



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accounted for slightly heavier quantities of all grains excepting rye. Canadian utilization of the two principal feed grains, oats and barley, has risen steadily each year since 1954-55 and these expanding feed grain requirements have been the principal factor in 137 million bushel growth in total domestic grain usage over that same period. Again, as in previous years, the bulk of the 1958-59 increase involved direct feeding from farm stocks with the portion of total domestic usage represented by grain handled through licensed elevator channels remaining relatively steady at 170 million bushels. Of this latter movement the industrial requirements for domestic flour, food, distilling, malting and crushing absorbed approximately 75 million bushels. Preliminary calculations of domestic usage by individual grains compared with revised data for the 1957-58 season are as follows: wheat 73.9 (61.6), oats 43.8 (44.3), barley 48.0 (43.0), rye 1.2 (1.5), flaxseed 3.1 (3.5) million bushels.

### Carryover

The increase in domestic usage partially compensated for the decline in exports and the 1,165 million bushels combined export and domestic movement still exceeded 1958 new production by 117.7 million bushels, reducing the year-end total carryover by this amount. Individually by grains the principal reduction was in the closing stocks of wheat which totalled 549.0 millions according to the elevator returns and estimates of farm carryover, compared with the 639.5 million bushels in elevators and farm bins on August 1, 1958. The July 31, 1959, carryovers of oats and rye were down while those of barley and flaxseed reflected slight increases over the inward supply level, as follows, with 1958 data in brackets: oats 119.0 (154.9), barley 128.2 (118.2), rye 7.9 (10.1) and flaxseed 6.5 (5.6) million bushels, representing combined holdings east and west, on farms, in licensed elevators and in transit between positions at the year ending. The closing stock total of 810.6 million bushels of the five principal grains reflected a reduction of 309.6 million bushels during the past two years from the all-time record Canadian grain carryover held on July 31, 1957—1,120.2 million bushels.

### Licensing and Bonding

The total licensed storage capacity at July 31, 1959 was 641,946,250 bushels including 11,381,400 bushels in supplementary annexes to country elevators. Licences were in effect for 5,428 country, terminal, mill and eastern elevators; an increase of 5,286,500 bushels in capacity and a decrease in licenses of 32 compared with the corresponding figures as at July 31, 1958. The major changes in capacity were an increase of 8.7 million bushels in country elevators and a decrease of 3.2 million bushels in supplementary storage.

### Assistant Commissioners

Through its four Assistant Commissioners, the Board kept in close touch with the operation of licensed country elevators in the Western Division. During the year 1959, the Assistant Commissioners inspected 676 elevators in Manitoba, 1,047 in Northern Saskatchewan, 391 in Southern Saskatchewan, and 1,620 in Alberta, a total of 3,734. This inspection included checks on scales, sieves and certain other equipment; deductions for shrinkage and Prairie Farm Assistance Act Levy; and posting of current Board Regulations applying to country elevators.

Complaints originating from country points totalled 19, as compared with 31 in the previous year.

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Disposition of complaints investigated was as follows:

	Manitoba	Saskat- chewan	Alberta	Total
No grounds for complaint.....	4	1	—	5
Settlement effected.....	2	7	1	10
Outside jurisdiction of Board.....	—	1	1	2
Complaint withdrawn.....	—	2	—	2
<b>Totals.....</b>	<b>6</b>	<b>11</b>	<b>2</b>	<b>19</b>

The Assistant Commissioners received and handled numerous inquiries on various matters related to country elevator operation. They also discussed accumulated overages with elevator agents concerned.

### Prosecutions

No penalties were levied during 1959 for breaches of the Canada Grain Act or the Board's Regulations.

### Shortages and Overages, Country Elevators

The smaller volume of country shipments during 1958-59 reduced the opportunities for weighing over country elevators and weigh-ups totalled 1,801 compared with 1,867 completed during the previous crop year. The audit of these weigh-ups indicated no significant change in the pattern of shortages and overages as will be noted from the summary table shown below:

ELEVATORS REPORTING	1958-59	1957-58
Shortages.....	534	493
Neither overages nor shortages.....	6	10
Overages of less than .25%.....	846	973
Overages of .25% to .50%.....	316	288
Overages over .50%.....	99	103
<b>Total elevators weighed over.....</b>	<b>1,801</b>	<b>1,867</b>

The Board summoned 101 agents of country elevator licensees to appear at hearings held at Winnipeg, Regina, Saskatoon, Calgary and Edmonton, in connection with excessively high overages. At these sessions, members of the Board interviewed the agents and examined records concerning their operations in the presence of senior officials of the companies concerned.

### Regulations and Orders

Regulations No. 17 and No. 23 were revised, effective August 1, 1959, to bring their provisions into line with current administrative and statistical procedures.

Regulation No. 20 was amended on September 2, 1959, by deleting the word "trimming" from the paragraph containing the maximum charge for discharging grain to vessels at licensed eastern elevators in the Upper St. Lawrence area.



Order No. 1-1958-59 was extended to continue in effect during the 1959-60 crop year. This deals with delivery and shipment of artificially dried grain at country points.

By Order No. 1-1959-60, dated November 6, 1959, the Board established the grade designation "Rejected—Dried", applicable to western grain damaged through artificial drying.

Orders No. 2 and No. 3 dated November 20, 1959 and November 26, 1959, respectively, placed restrictions on the mixing of "Rejected—Dried" wheat and barley with other grades of grain at terminal elevators.

### Committees on Grain Standards

The Board constituted Committees on Western and Eastern Grain Standards for the Crop Year 1959-60 as provided in Section 25 of the Canada Grain Act. Personnel of these Committees is listed in Appendix A.

A meeting of the Western Committee was held at Winnipeg on October 22, 1959. The members received numerous reports relating to quality of crops grown in the 1959 season and to various other matters in connection with grading of grain, and also selected and settled standard samples and standard export samples for various grades of Western grain.

The Eastern Committee met in Toronto on August 19, 1959, and in Montreal on October 28, 1959, and established standard samples for grades of grain grown in Eastern Canada.

Both groups authorized continued use of previously selected standard samples in instances where suitable recent samples for established grades were not available.

### Inspection of Grain

Farmers in Western Canada generally had an extremely trying time in 1959. During spring and early summer, soil moisture varied from very low in the central and southern areas, to adequate in northern and western areas, and excessive in Eastern Manitoba.

Drought conditions continued in July and August from Southeastern Alberta, across Southern Saskatchewan, to Southwestern Manitoba; crops were light through much of this area. Crop prospects were generally good through the rest of the prairies, and much high grade grain was harvested in central Saskatchewan and Manitoba.

Except for the southeastern part, Alberta crops were caught in the fields by rain and snow. The inclement weather extended across the northern districts of Saskatchewan and Manitoba, and caught late crops in Eastern Manitoba. Extensive, but variable damage occurred from early fall frosts. Over a widespread area across the north, winter came early with crops still unharvested; as the soil froze solid enough to support machines, threshing of damp grain got underway, but many farmers intend to leave their crops in the fields in the hope of dry weather for threshing in the spring. Grain dryers are being used on farms in many districts.

Such varied conditions have produced a wide range of grades. In the dry belt, wheat graded from Manitoba No. 1 Northern to No. 5 and Special grades; the first wheat threshed in the central areas was mostly No. 2 and No. 3 Manitoba Northern. Frost and weathering has done much damage in the west, north and east; grades of Manitoba No. 4 Northern and No. 5 wheat are common there.

Barley in the southern areas was well matured but often contained thin kernels; much good malting barley was produced in the central area, but the weather reduced much of the northern barley to Feed grades.

## BOARD OF GRAIN COMMISSIONERS

The first oats threshed were of good colour and quality, except for some of light weight from drought; late crops of oats have suffered much damage from weathering. Rye, which is confined more to southern and central regions, was generally harvested in good condition. Flaxseed that was threshed before the storms was practically all No. 1 Canada Western, but fall rains did much damage to this crop. The same applies to rapeseed; early crops were of excellent quality; late crops were severely damaged.

Promise of a substantial crop of Pea Beans in Southern Alberta led to the establishment of commercial grades by the Committee on Western Grain Standards; the colour was excellent, and the grade generally high as processing got underway.

### Research

Preliminary information on the quality of different grades of 1959 Western grain crops was presented at the October meeting of the Committee on Western Grain Standards, and later in the fall was published as two protein maps and four crop bulletins. Steadily increasing demand for the two quarterly bulletins on bread wheat and durum wheat cargoes shows how useful they have become to overseas buyers of Canadian wheat. Studies have been continued on the quality of wheat exported by other countries; the samples are collected with the help of the Canadian Wheat Board and Canadian Government Trade Commissioners. Comprehensive records of Canadian grain at various stages of marketing have been maintained throughout the year.

The Laboratory has continued to work closely with the Grain Inspection Branch by providing such services as were required to aid in grading and associated problems. Among the problems caused by the wet harvest, the most important concerns grain drying, especially on farms. The Laboratory again offered a free testing service to farmers to help them to dry grain without damaging it. Tests of the quality of dried grain delivered by farmers to country elevators and of carlots shipped to terminal elevators have been made to assist the Chief Inspector with the grading of dried grain. Farmers and elevator agents have made good use of this service offered by the Laboratory, and by the end of the year many hundreds of samples had been submitted. The same laboratory service is being given to the Chief Inspector to assist him in controlling drying operations at terminal elevators.

As in previous years, the Laboratory made comprehensive quality tests on the tentative Standard and Export Standard samples prepared by the Chief Inspector, and provided information on the quality of samples used to make these Standard samples. Supervision of moisture testing and of equipment in inspection offices has continued; this equipment now includes electrical moisture meters as well as Brown-Duvel apparatus.

Laboratory services and technical advice to the Canadian Wheat Board, to Commercial Counsellors and Trade Commissioners, and to other Government agencies continued on about the same scale as last year, and close liaison has been maintained with cereal chemists in all parts of the world. The Laboratory has continued to take a leading part in quality studies of new varieties of spring and durum wheat and malting barley that are sponsored by the Associate Committee on Grain Research. An active program of basic and applied research was maintained throughout the year, and several papers on various subjects have been published in the scientific literature.

The third award of the National Research Council Postdoctorate Fellowship, tenable in the Laboratory, was made to Dr. M. K. Narayanan of the Central Food Technological Research Institute, Mysore, India, who arrived in November. Dr. Bloksma, the second Fellow, had returned to Holland in



July. Dr. R. Tkachuk and Dr. Cho Ching Tsen have joined the staff of the Basic Wheat Research Section, and Mr. G. C. Martin came to the Applied Wheat Research Section. Mr. R. R. Matsuo of the Basic Wheat Research Section, is on leave at the University of Alberta where he is studying for a Ph.D. degree; he was awarded a Fellowship presented by the Ogilvie Milling Company. Mr. M. H. Birnboim resigned his position as physicist at the end of the year. Total staff of the Laboratory is now 53.

During the year, the Laboratory was visited by several overseas technical missions and by scientists from various parts of the world. Dr. Anderson and Mr. Conacher, the Chief Grain Inspector, spent 20 days in the U.S.S.R. where they obtained information on grain production, handling and storage, grading, inspection, milling and baking, and on related research and development. Dr. Meredith attended the Congress of the European Brewing Convention in Rome, Italy, after which he visited Germany, Great Britain and Ireland. Other members of the professional staff attended scientific meetings in Canada and the United States.

### **Weighing of Grain**

The staff of the Board's Weighing Branch provided usual weighing services at licensed elevators and investigated complaints relating to reports of excessive outturn shortages on carlot and cargo shipments. The Board's scale inspector carried out periodic tests and inspections of scales at licensed terminal and eastern elevators, and made special inspections when such were considered necessary. Further detailed information in regard to the work of this Branch is given in Appendix F.

### **Weighover of Stocks, Terminal and Eastern Elevators**

In accordance with the provisions of Sections 139 and 140 of the Canada Grain Act, 30 terminal and 26 eastern elevators were weighed over during the 1958-59 crop year by members of the Board's Weighing and Inspection staffs.

Deferments into the following crop year were made at 6 terminal elevators at the Lakehead, 9 terminal elevators at other points, and at 5 eastern elevators. The Board found it necessary to grant these deferments to avoid delaying the handling and loading of grain required to meet export orders. However, it was possible to carry out seven of these deferred weighovers before the end of December, 1959.

Tables C-12 to C-14 of Appendix C contain the results of weighovers carried out in the 1958-59 crop year.

### **Entomological Investigations**

The inspection of terminal grain elevator premises and grain stocks was continued in 1959. Most of the terminal elevators were visited at least once. Two trips were made to the Pacific Coast and three to the various Bay Port elevators. In all cases existing conditions were discussed with management and when necessary, instructions were issued on control measures.

As in 1958, the terminal elevators were essentially free from insect pests. The short courses in insect control put on by the Board are largely responsible for this condition.

A special visit was made to the Pacific Coast in April to start an insect control campaign in the terminals in that area. An improvement was noted in most of these elevators when they were inspected later in the season.

Regular visits were made to the various grain inspection offices of the Board to discuss insect control.

## BOARD OF GRAIN COMMISSIONERS

Special attention has been given during the past two seasons to the various Canadian Government Elevators. In the interior ones grain is stored for long periods of time. Bottom samples were drawn from all bins and checked for insect infestation.

The opening of the St. Lawrence Seaway has created new problems in the handling of grain. Many overseas ships are now loading at interior points and a considerable amount of United States grain is being handled for export through Canadian elevators. A number of inspections were made of United States grain in store in Canadian elevators to check on its freedom from insect pests. The Board's entomologist, Dr. H. E. Gray, attended the Hearing on Plant Diseases and Insect Control on the St. Lawrence Waterway and Great Lakes in Duluth, Minn., in August. He also participated in a joint discussion with representatives of the Plant Quarantine Section of the United States Department of Agriculture and officers of the Canadian Plant Protection Division on "The Seaway—its insect problems and how to meet them" in December, at Detroit, Mich.

Contact was maintained with the grain and milling trade through attendance at the Annual Convention of the American Association of Operative Millers in Chicago in May.

Dr. Gray was an invited speaker at the Joint Meeting of the Entomological Society of America and the Entomological Society of Canada in December in Detroit, Mich., speaking on the subject "The Board of Grain Commissioners for Canada and its relation to Phyto-sanitary Measures".

### Terminal and Eastern Complaints

During 1959, the Board directed the investigation of 39 complaints regarding shipments to Eastern Canadian and U.S.A. points. One of these complaints related to the quality of grain shipped, and the remainder to reports of excessive outturn shortages. The latter group included 23 on vessel shipments from Fort William and Port Arthur, 9 on vessel shipments from Eastern transfer ports, 3 on vessel shipments from other ports, and 3 on carlot shipments.

These complaints were disposed of as follows:

	Quality	Weight
No cause of reported discrepancy found.....	—	25
No grounds for complaint.....	—	1
Settlement effected.....	1	4
Not yet disposed of.....	—	8
<b>Totals.....</b>	<b>1</b>	<b>38</b>

### Complaints on Export Shipments

A total of 48 complaints relating to shipments to overseas destinations were dealt with by the Board and its officials during 1959. Of this number, 34 concerned outturn weights reported from overseas, and 14 referred to some aspect of the quality of grain cargoes.



## TRADE AND COMMERCE

Disposition was as follows:

	Quality	Weight
No cause of reported discrepancy found.....	—	24
No grounds for complaint.....	14	—
Settlement effected.....	—	2
Complaint withdrawn.....	—	4
Not yet disposed of.....	—	4
<b>Totals.....</b>	<b>14</b>	<b>34</b>

### Statistics

Statistics relating to Canadian grain movement collected and compiled by the Board's Statistics Branch are presented in Appendix C of this report.

### Information Program

The Board's mobile exhibit, which features samples of various types and qualities of grain and other displays relating to the Board's functions and operations, was placed on display at 24 points in Manitoba, Saskatchewan and Alberta during 1959. Two of the Board's Grain Inspectors were in charge of the exhibit and discussed grain grading and other matters coming under the Board's jurisdiction with farmers, elevator agents and other interested visitors.

The Board's offices were visited by a number of officials of the Foreign Trade service of the Department of Trade and Commerce, and by other individuals and groups from Overseas who wished to discuss matters related to the grain trade and obtain first-hand information about the functions and services of the Board. Other visitors during the year included groups of country elevator agents and agriculture students.

In addition to discussions with members and officials of the Board, arrangements were made for visitors to tour the Inspection Branch, the Research Laboratory and other branches as desired; also to view the colour motion picture film "Grain Handling in Canada".

Members of the Board and senior officials again accepted a number of invitations to address annual meetings of producer organizations and discuss topics of current interest related to the Board's work.

### Canadian Government Elevators

Receipts of grain during the crop year 1958-59 at the Canadian Government Terminal Elevators operated by the Board at Moose Jaw, Saskatoon, Calgary, Edmonton, Lethbridge and Prince Rupert, were 18.9 million bushels, compared with 17.4 millions in the previous crop year. Total shipments were 16.7 millions, a reduction of 1.4 millions from the corresponding figure for 1957-58.

In the fiscal year 1958-59, revenues exceeded expenditures by the amount of \$730,453.

### Lake Freight Rates

On March 10, 1959, under the provisions of Section 5 of the Inland Water Freight Rates Act, the Board issued Order No. 21 which revoked Order No. 20 of September 28, 1954. This had the effect of cancelling maximum freight rates

## BOARD OF GRAIN COMMISSIONERS

established by the Board in Order No. 20 for the carriage of grain from Fort William or Port Arthur to other specified ports in Eastern Canada.

The average rates charged during the 1959 season of navigation are given in Table C-11 of Appendix C.

### Prairie Farm Assistance Act

Under the provisions of Section 11 of the Prairie Farm Assistance Act, the Board continued to collect the one per cent levy on grain purchased by licensees under the Canada Grain Act. During the crop year 1958-59, the amount collected was \$6,674,000.20. Collections by the Board since the inception of the Act to July 31, 1959, total \$113,985,190.11.

### Organization and Personnel

Mr. J. Rayner, Special Assistant, retired after 36 years' service with the Board.

Mr. A. G. McLean, Assistant Commissioner for Saskatchewan since 1949, retired and was succeeded by Mr. A. V. Svoboda.

Mr. A. Priscott retired from the position of Grain Inspector-in-charge at the Lakehead after 45 years' service with the Board. He was succeeded by Mr. A. H. Gibbons.

Mr. G. Edwards, Grain Inspector-in-charge at Calgary, retired and was succeeded by Mr. J. H. McLean, Grain Inspector-in-charge at Edmonton. Mr. E. H. Alexander was promoted to replace Mr. McLean, and Mr. F. G. Crowe was promoted to replace Mr. Alexander at Chatham, Ontario.

Mr. W. Millar retired from the position of Grain Inspector-in-charge at Saskatoon and was succeeded by Mr. J. L. A. Doray.

During 1959, the Licence and Bonding Branch was incorporated into the Statistics Branch and Mr. J. L. Freeman appointed as Licencing Officer.

At December 31, 1959, the Board's staff totalled 912 as opposed to 935 at December 31, 1958. The staff of the Canadian Government Elevators numbered 234, a reduction of 3 from the previous year.

A chart of the Board's Organization, including numbers of staff in the various offices at the close of the year, follows this report.

### Expenditure and Revenue

Total expenditure and accrued revenue of the Board, exclusive of the Canadian Government Elevators, for the fiscal year 1958-59 compared with 1957-58 was as follows:

	1958-59	1957-58
Expenditure.....	\$4,471,770.15	\$4,295,129.93
Revenue.....	2,793,669.51	2,556,669.93

Expenditure for the nine months of the 1959-60 fiscal year to December 31, 1959, totalled \$2,992,012 as against \$3,054,553 for the comparable period during 1958-59.



## TRADE AND COMMERCE

Cash revenue for the same nine-month period amounted to \$1,999,170 as compared with \$2,062,617 in the previous year.

Attached hereto is a series of Appendices which outline in greater detail the work of the Board's Branches.

Respectfully submitted,

R. W. MILNER,  
Chief Commissioner

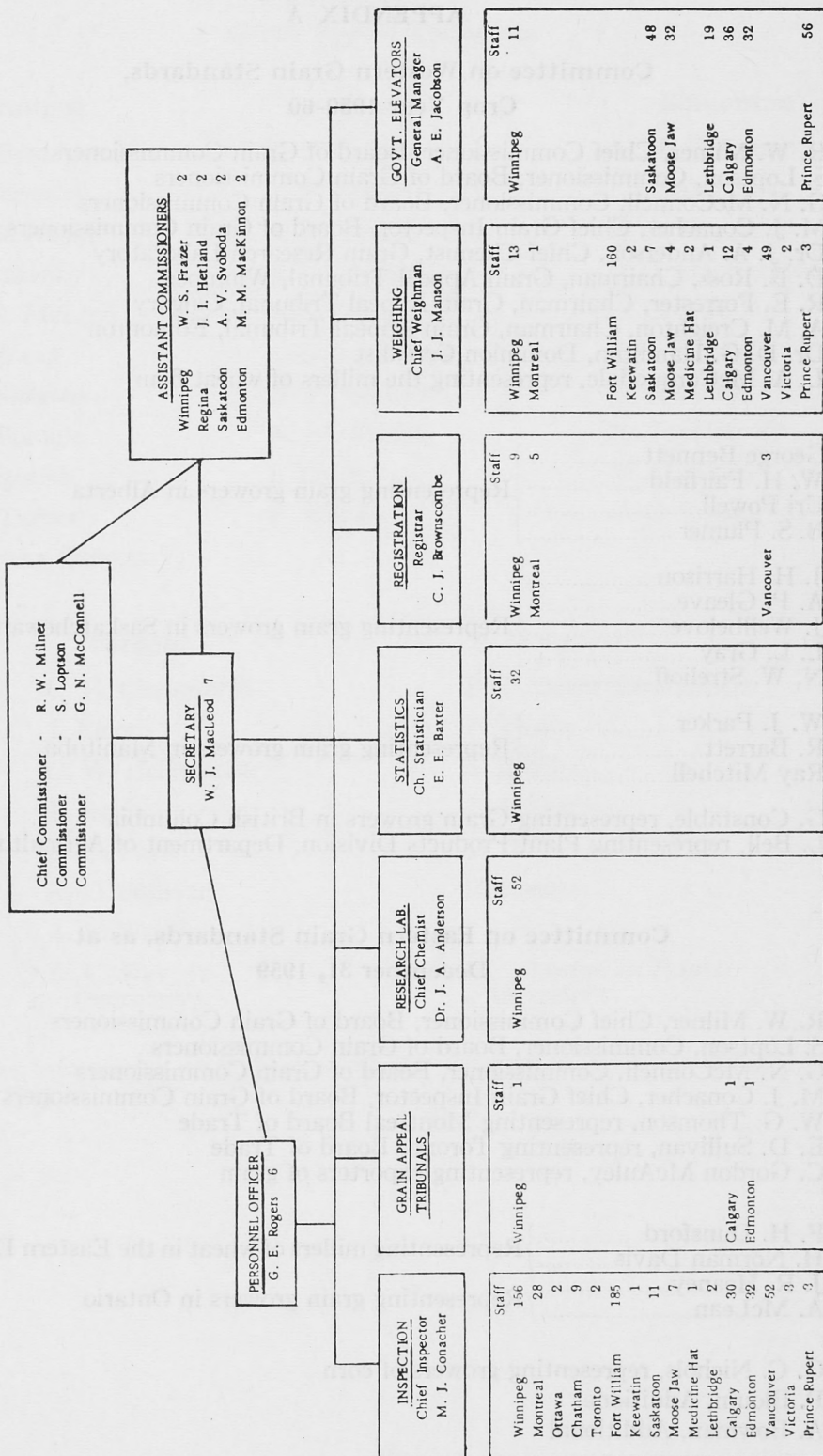
S. LOPTSON,  
Commissioner

W. J. MacLEOD,  
Secretary

GEO. N. McCONNELL,  
Commissioner

# BOARD OF GRAIN COMMISSIONERS FOR CANADA

## BOARD OF GRAIN COMMISSIONERS





TRADE AND COMMERCE

APPENDIX A

Committee on Western Grain Standards,  
Crop Year 1959-60

R. W. Milner, Chief Commissioner, Board of Grain Commissioners  
S. Loptson, Commissioner, Board of Grain Commissioners  
G. N. McConnell, Commissioner, Board of Grain Commissioners  
M. J. Conacher, Chief Grain Inspector, Board of Grain Commissioners  
Dr. J. A. Anderson, Chief Chemist, Grain Research Laboratory  
D. E. Ross, Chairman, Grain Appeal Tribunal, Winnipeg  
R. E. Forrester, Chairman, Grain Appeal Tribunal, Calgary  
A. M. Creighton, Chairman, Grain Appeal Tribunal, Edmonton  
Dr. D. G. Hamilton, Dominion Cerealists  
L. A. McCorquodale, representing the millers of wheat flour

George Bennett.....	}	Representing grain growers in Alberta
W. H. Fairfield.....		
Uri Powell.....		
B. S. Plumer.....		

J. H. Harrison.....	}	Representing grain growers in Saskatchewan
A. P. Gleave.....		
J. Wellbelove.....		
L. L. Gray.....		
N. W. Strelieff.....		

W. J. Parker.....	}	Representing grain growers in Manitoba
R. Barrett.....		
Ray Mitchell.....		

G. Constable, representing Grain growers in British Columbia  
L. Bell, representing Plant Products Division, Department of Agriculture

Committee on Eastern Grain Standards, as at  
December 31, 1959

R. W. Milner, Chief Commissioner, Board of Grain Commissioners  
S. Loptson, Commissioner, Board of Grain Commissioners  
G. N. McConnell, Commissioner, Board of Grain Commissioners  
M. J. Conacher, Chief Grain Inspector, Board of Grain Commissioners  
W. G. Thomson, representing Montreal Board of Trade  
E. D. Sullivan, representing Toronto Board of Trade  
C. Gordon McAuley, representing exporters of grain

F. H. Dunsford.....	}	Representing millers of wheat in the Eastern Division
H. Norman Davis.....		
J. R. Heaney.....	}	Representing grain growers in Ontario
A. McLean.....		

G. C. Nichols, representing growers of corn  
P. Blouin, Additional  
A. Bowman, Additional

BOARD OF GRAIN COMMISSIONERS

APPENDIX B  
Grain Appeal Tribunals

Winnipeg	Calgary	Edmonton
D. E. Ross (Chairman)	R. E. Forrester (Chairman)	A. M. Creighton (Chairman)
J. E. G. Hasell	G. R. Deeton	H. A. Haggarty
J. F. Lazenby	B. T. Jenkins	D. G. MacKeracher
Wm. E. McLeod	A. E. Jones	C. E. Sage
G. I. Rocan	A. E. Longhurst	J. F. Schofield
E. A. Sangster	W. G. McLeod	T. Stickney
R. C. Sproule	W. M. Pringle	N. Topolnitsky
V. J. Stubbs	J. Tranter	M. G. Wood
G. A. Turner	A. Watson	C. C. Young
N. Kawka (Secretary)		
Toronto	Montreal	
C. H. Coatsworth	P. J. Smith (Chairman)	
J. Elder	P. Blouin	
C. W. Heimbecker	S. Brooks	
J. Jervis	J. A. Byrne	
R. C. Pratt	E. B. Paterson	
E. D. Sullivan	R. Strauss	
A. L. Walker		
D. C. Kay, Jr. (Secretary)	Mrs. Muriel B. Hunter (Secretary)	

For information on Appeals of Carlot Inspections refer to Appendix E, Table E-6.

APPENDIX C

Statistics Branch

E. E. BAXTER, Chief Statistician

(A) STATISTICS

*The Statistics Branch receives reports from all elevators licensed under the Canada Grain Act and from these returns compiles and publishes basic statistics relating to the storage and handling of grain within the Canadian elevator system. It prepares audit statements of the operations of all terminal and eastern elevators, verifies the insurance carried on grain stocks and handles the record details relating to the amounts collected as the 1% levy under the Prairie Farm Assistance Act. It supplies for review by the Board a detailed analysis of all grain handlings and co-operates with other Board offices in the maintenance of detailed records of principal operations.*

(B) LICENSING

*The Canada Grain Act provides that no railway company or vessel shall receive any western grain from any elevator or discharge any such grain into any elevator unless such elevator is licensed by the Board. The Act also specifies the conditions by which grain dealers, track buyers or grain commission merchants must be licensed in order to engage in contracts dealing with western grain by grade name. Such elevator and dealers' licences are issued by the Board through the licensing division of the Statistics Branch. This office also supervises the implementation of Section 79-3 by which all such licensees must be secured by Bond or otherwise for the performance of all obligations imposed upon them by the Act.*

Introductory Comment

Effective January 1, 1959, the former Licence and Bonding Branch of the Board was amalgamated as a Division of the Statistics Branch. The licence records were adapted to machine accounting techniques as were the procedures for the issue and renewal of the actual licences. The publishing of statistical data relative to licences and elevator capacities became a function of the Statistical Division as did the responsibility for the administration of the collection and recording of the 1% levy under the Prairie Farm Assistance Act. New procedures following the amalgamation permitted staff adjustments and cost savings and also facilitated the work of the grain companies in connection with the licence applications and reports.

(A) STATISTICS

Excluding bulletins and publications, the responsibility for which was absorbed from the former Licensing Branch, there were only minor changes in the statistical bulletins released by this office during the 1958-59 crop year. The continuing program of refinements and adjustments was directed chiefly towards additional audit information and both analytical data and new statistics on grain movement developments arising out of the opening of the St. Lawrence Seaway. The office continued to work in close co-operation with the other branches of the Board both as a service unit and in the supply of administrative control statistics. This work was of particular importance to the Grain



## BOARD OF GRAIN COMMISSIONERS

Research Laboratory in connection with historical studies conducted by that Branch. The machine records and facilities were also made available to the Canadian Wheat Board as assistance in their grain movement control.

Special studies of historical handling patterns on grain moving from the Canadian Lakehead to Eastern Canadian points were undertaken to supply reference data for analyses of the possible impact of the St. Lawrence Seaway on grain movement. Continuing current statistics were maintained on this Seaway traffic and, in particular, on the handling of United States grain in Eastern Canadian positions as a guide to the Board in their supervision of this phase of the Seaway traffic. The office also collaborated with the United States Department of Agriculture and with various U. S. Great Lakes port authorities in the development of comprehensive statistics on grain shipping through the inland water system.

The responsibility of the office under provisions of the Inland Water Freight Rates Act was met by the close examination of vessel charter confirmations covering all lake grain cargoes shipped from Fort William-Port Arthur during the 1959 season. This was of particular significance following the suspension of the maximum rate provisions at the beginning of the season. These examinations involved scrutiny of charter confirmations covering 865 separate inland cargoes clearing the Lakehead for Eastern Canadian ports in vessels of Canadian and Commonwealth registry from the opening of the 1959 season of navigation on April 20 to its closing on December 17.

The records and statements prepared in connection with the grain audits of terminal and eastern elevators under Sections 139 and 140 of the Canada Grain Act are summarized in the Tables C 12 to 14 inclusive of this Appendix. Detailed studies were made in addition to these statements to further facilitate the supervision of terminal operations. Audit examination was conducted in connection with the weighover of 1,801 of the 5,314 licensed public country elevators. These reports were in addition to the regular annual reports submitted for these same elevators covering 1958-59 operations. Special reports and tabulations were made from both the weighup and crop year statements for the use of the Board in their review of agents' and company operations.

The collection during the 1958-59 crop year of the 1% levy made by this office under provisions of the Prairie Farm Assistance Act is recorded at \$6,674,000, an increase of \$559,609 over collections recorded for the previous crop year. The inclusion of flaxseed and rapeseed for the first time in 1958-59 as grain under the Act resulted in the collection of \$511,389. Details of these collections are carried in Table C 15.

### (B) LICENSING

During the initial licensing period of the crop year 1958-59 from August 1 to December 1, 1958, 5,484 licences were issued to 97 firms and individuals, 9 less than last year, to handle grain under the Canada Grain Act. Included in these were 51 licences granted to Track Buyers, Commission Merchants and Grain Dealers. In addition, country elevator licensees were authorized to use 247 off-site grain storage buildings of various types.

In the course of the crop year twenty-four elevator licences were cancelled by reason that, one was sold for a seed warehouse, three were destroyed by fire, ten were dismantled and ten were converted to annexes. Forty-five authorizations for grain storage buildings were also cancelled in the crop year as the stored grain was moved to terminal positions.

Twenty-seven country elevator licences were suspended during renovation and reconstruction of buildings. Twenty-one of these were reinstated; three were cancelled and three were still under suspension at July 31, 1959.

## TRADE AND COMMERCE

Guarantee bonds in the amount of \$29,487,386.50 executed by 13 approved surety companies were deposited with the Board as security under Section 79 of the Canada Grain Act to cover operations of licensees during 1958-59. One licensee deposited negotiable Government bonds with a par value of \$1,000 in lieu of the usual form of surety bond.

As at July 31, 1959, with 5,428 elevator licences and 204 grain storage building authorities in force, the licensed storage capacity was 630,564,850 bushels in elevators and 11,381,400 bushels in grain storage buildings, an increase in the total licensed storage capacity of 5,286,500 bushels since July 31, 1958. The total licensed storage capacity by provinces is: Manitoba 60.9; Saskatchewan 220.4; Alberta 143.4; British Columbia 27.1; Ontario 153.2; Quebec 29.7; and the Maritimes 7.2 million bushels.

### General

Summary grain statistics with respect to the 1958-59 crop year and the 1959 season of navigation are presented in table form following this section. Complete details are published in the various regular and periodical bulletins of the Branch, in the Branch's export release—Canadian Exports 1958-59, and in the "Grain Trade of Canada" issued jointly by this office and the Agriculture Division of the Dominion Bureau of Statistics. Details of licences issued under the Canada Grain Act are carried in the publication "Grain Elevators in Canada".

**Table C-1.—Supply and Disposition of Canadian Grain, Crop Year 1958-59**

	Wheat	Oats	Barley	Rye	Flaxseed
	bu.	bu.	bu.	bu.	bu.
<b>SUPPLY</b>					
Carry-over July 31st, 1958.....	639,453,741	154,915,634	118,165,290	10,061,953	5,652,016
Production in 1958.....	371,730,000	400,951,000	244,764,000	8,002,000	22,766,000
<b>Total Supply.....</b>	<b>1,011,183,741</b>	<b>555,866,634</b>	<b>362,929,290</b>	<b>18,063,953</b>	<b>28,418,016</b>
<b>DISPOSITION</b>					
Exported Overseas.....	285,460,578	5,624,785	54,225,136	1,109,477	14,276,255
Exported to the U.S.A.....	3,362,147	1,430,130	10,151,374	2,112,599	—
Consumed in Canada.....	173,359,552	429,833,019	170,399,565	6,922,072	7,618,635
<b>Total Disposition.....</b>	<b>462,182,277</b>	<b>436,887,934</b>	<b>234,776,075</b>	<b>10,144,148</b>	<b>21,894,890</b>
<b>CARRY-OVER (July 31st, 1959)</b>					
On Farms (Estimated).....	130,000,000	80,000,000	57,000,000	3,440,000	1,520,000
In Country, Private Terminal and Mill Elevators.....	258,633,105	28,155,097	51,971,887	1,909,892	1,652,192
In Semi-Public Terminal Elevators.....	74,228,265	5,274,343	13,523,505	845,132	1,542,547
In Store at and Afloat to Eastern Elevators.....	65,974,889	3,747,737	3,573,993	281,265	1,068,711
In Eastern Flour Mills.....	2,412,077	219,577	4,574	—	—
In Transit by Rail—Eastern and Western Divisions.....	17,594,039	1,581,946	2,079,256	539,449	739,676
In Store and in Transit to the United States.....	159,089	—	—	904,067	—
<b>Total in Store July 31st, 1959</b>	<b>549,001,464</b>	<b>118,978,700</b>	<b>128,153,215</b>	<b>7,919,805</b>	<b>6,523,126</b>

**BOARD OF GRAIN COMMISSIONERS**

**Table C-2.—Production and Producers' Marketings in Western Canada,  
by Provinces, Crop Year 1958-59**

	Wheat	Oats	Barley	Rye	Flaxseed
	bu.	bu.	bu.	bu.	bu.
<b>PRODUCTION (DBS estimate)</b>					
Manitoba.....	58,000,000	60,000,000	44,000,000	1,200,000	4,700,000
Saskatchewan.....	192,000,000	83,000,000	87,000,000	2,500,000	11,300,000
Alberta and British Columbia.....	97,000,000	101,000,000	108,700,000	1,730,000	6,610,000
<b>Totals.....</b>	<b>347,000,000</b>	<b>244,000,000</b>	<b>239,700,000</b>	<b>5,430,000</b>	<b>22,610,000</b>
<b>PRODUCERS' MARKETINGS</b>					
(a) At Country Elevators					
Manitoba.....	46,804,819	14,168,631	23,782,881	999,131	3,491,438
Saskatchewan.....	222,270,889	15,260,619	49,268,457	2,259,105	8,848,276
Alberta.....	94,687,900	9,127,639	49,312,991	1,356,449	4,589,169
<b>Totals.....</b>	<b>363,763,608</b>	<b>38,556,889</b>	<b>122,364,329</b>	<b>4,614,685</b>	<b>16,928,883</b>
(b) At Interior Semi-Public Terminals					
Manitoba.....	34,287	49,829	24,843	—	—
Saskatchewan.....	—	—	—	—	—
Alberta.....	1,869	77,803	41,663	—	9,441
<b>Totals.....</b>	<b>36,156</b>	<b>127,632</b>	<b>66,506</b>	<b>—</b>	<b>9,441</b>
(c) At Interior Private and Mill Elevators					
Manitoba.....	290,513	88,347	72,995	—	112,358
Saskatchewan.....	2,015,851	56,916	100,667	449	80,947
Alberta.....	1,543,589	438,840	156,866	47,953	244,597
<b>Totals.....</b>	<b>3,849,953</b>	<b>584,103</b>	<b>330,528</b>	<b>48,402</b>	<b>437,902</b>
(d) Loaded over Platforms					
Manitoba.....	7,426	9,825	2,111	—	1,034
Saskatchewan.....	27,658	—	1,783	3,630	2,071
Alberta.....	37,797	1,941	73,008	—	90,145
<b>Totals.....</b>	<b>72,881</b>	<b>11,766</b>	<b>76,902</b>	<b>3,630</b>	<b>93,250</b>
<b>Total Producers' Marketings</b>					
Manitoba.....	47,137,045	14,316,632	23,882,830	999,131	3,604,830
Saskatchewan.....	224,314,398	15,317,535	49,370,907	2,263,184	8,931,294
Alberta.....	96,271,155	9,646,223	49,584,528	1,404,402	4,933,352
<b>Totals.....</b>	<b>367,722,598</b>	<b>39,280,390</b>	<b>122,838,265</b>	<b>4,666,717</b>	<b>17,469,476</b>



TRADE AND COMMERCE

**Table C-3.—Receipts and Shipments of Canadian Grain at Terminal Elevators, Crop Year 1958-59**

	Wheat	Oats	Barley	Rye	Flaxseed
	bu.	bu.	bu.	bu.	bu.
Fort William-Port Arthur—					
Receipts.....	181,629,889	33,019,298	59,670,440	4,092,413	9,390,369
Shipments.....	180,436,821	35,104,658	63,219,147	4,499,292	10,504,347
Vancouver-New Westminster—					
Receipts.....	104,126,433	4,272,804	29,194,707	260,115	5,960,047
Shipments.....	106,194,761	5,023,195	28,347,182	335,710	5,973,926
Victoria—					
Receipts.....	1,256,610	344	2,566	271	678,092
Shipments.....	1,408,632	34,000	7,833	—	674,901
Prince Rupert—					
Receipts.....	—	—	9,045,909	—	—
Shipments.....	—	—	8,827,467	—	—
Churchill—					
Receipts.....	19,396,711	—	—	—	278
Shipments.....	18,409,322	320,006	—	—	—
Transcona—					
Receipts.....	445,609	53,436	40,752	—	3,300
Shipments.....	58,724	41,611	35,491	—	3,300
Calgary—					
Receipts.....	332,888	2,675	1,628,568	—	7,052
Shipments.....	221,071	5,878	1,726,509	—	7,052
Edmonton—					
Receipts.....	808,702	112,588	51,341	—	1,461
Shipments.....	116,834	119,746	48,754	—	1,461
Lethbridge—					
Receipts.....	4,080	—	5,056	—	50,705
Shipments.....	4,026	197	5,056	—	50,705
Moose Jaw—					
Receipts.....	10,065	—	—	—	—
Shipments.....	10,065	—	—	—	—
Saskatoon—					
Receipts.....	2,022,583	81,568	—	—	—
Shipments.....	807,013	22,294	—	—	151
<b>Total Receipts.....</b>	<b>310,033,570</b>	<b>37,542,713</b>	<b>99,639,339</b>	<b>4,352,799</b>	<b>16,091,304</b>
<b>Total Shipments.....</b>	<b>307,667,269</b>	<b>40,671,585</b>	<b>102,217,439</b>	<b>4,835,002</b>	<b>17,215,843</b>

**Table C-4.—Shipments of Foreign Grain from Canadian Elevators into Canadian Consumer Channels, Crop Year 1958-59**

From	United States Flaxseed	United States Corn	United States Soybeans	South African Corn
	bu.	bu.	bu.	bu.
Eastern Elevators.....	98,538	6,349,421	1,862,927	1,500,558
Fort William-Port Arthur.....	—	—	—	—
Interior Terminals.....	—	—	—	—
Interior Private and Mill Elevators.....	—	809,400	—	—
Pacific Coast Elevators.....	—	—	—	—

*BOARD OF GRAIN COMMISSIONERS*

**Table C-5.—Primary Receipts and Shipments at Eastern Elevators, Crop Year 1958-59**

	Receipts	Shipments
	bu.	bu.
<b>CANADIAN GRAIN—</b>		
Wheat.....	170,382,300	179,236,492
Oats.....	30,826,198	32,786,720
Barley.....	37,399,010	39,265,938
Rye.....	1,696,924	1,757,174
Flaxseed.....	8,876,100	8,750,022
Corn.....	2,125,814	1,875,228
Soybeans.....	3,465,101	3,542,214
Buckwheat.....	148,810	151,875
Peas.....	199,887	195,800
Rapeseed (lbs.).....	58,651,730	58,575,660
Mixed Grain (lbs.).....	—	56,000
Sample Grain (lbs.).....	4,048,270	4,703,620
<b>UNITED STATES GRAIN—</b>		
Wheat.....	1,851,025	1,804,300
Oats.....	680,919	680,841
Barley.....	2,174,188	2,078,837
Rye.....	458,387	458,360
Flaxseed.....	5,707,858	5,619,267
Corn.....	23,335,407	23,028,697
Soybeans.....	3,745,973	3,604,615
<b>FOREIGN GRAIN—</b>		
South African Corn.....	1,572,669	1,521,558

**Table C-6.—Supply and Disposition of Canadian Grain in United States Positions, Crop Year 1958-59**

	Wheat	Oats	Barley	Rye	Flaxseed
	bu.	bu.	bu.	bu.	bu.
<b>SUPPLY—</b>					
In Store and in Transit U.S.A.....	—	—	175,786	64,482	—
Receipts direct from Canada.....	4,031,846	1,430,130	9,975,588	2,048,117	—
<b>Total Supply.....</b>	<b>4,031,846</b>	<b>1,430,130</b>	<b>10,151,374</b>	<b>2,112,599</b>	<b>—</b>
<b>DISPOSITION—</b>					
Exported.....	—	—	—	—	—
Returned to Canada.....	510,610	—	—	—	—
Used Domestically.....	3,362,147	1,430,130	10,151,374	2,112,599	—
<b>Total Disposition.....</b>	<b>3,872,757</b>	<b>1,430,130</b>	<b>10,151,374</b>	<b>2,112,599</b>	<b>—</b>
In Store and in Transit July 31, 1959	159,089	—	—	—	—

TRADE AND COMMERCE

Table C-7.—Exports of Canadian Wheat, by Seaboard Sectors, by Months, Crop Year 1958-59

	Via Canadian Pacific Ports	Via Canadian St. Lawrence- Atlantic Ports	Via Churchill	Via Fort William- Port Arthur Direct	Via United States Atlantic Ports	United States Imports <sup>1</sup>		Total All Wheat	Wheat, <sup>2</sup> Flour	Total Wheat and Wheat Flour
						For Domestic Use	Milling in Bond			
<b>1958</b>	bu.	bu.	bu.	bu.	bu.	bu.	bu.	bu.	bu.	bu.
August.....	8,752,225	6,400,940	7,848,160	53,215	—	97,745	—	23,152,285	2,900,040	26,052,325
September.....	3,591,628	5,036,784	7,276,341	54,581	—	153,052	—	16,112,386	2,306,744	18,419,130
October.....	8,753,732	13,694,865	2,656,408	111,134	—	206,830	108,572	25,531,541	3,452,012	28,983,553
November.....	5,822,968	15,114,434	—	87,309	—	412,189	—	21,436,900	3,267,024	24,703,924
December.....	8,635,099	10,314,637	—	—	—	640,762	273,344	19,863,842	3,279,958	23,143,800
<b>1959</b>										
January.....	8,726,367	9,137,428	—	—	—	29,000	—	17,892,795	3,525,571	21,418,366
February.....	10,500,667	7,166,576	—	—	—	18,046	—	17,685,289	2,559,401	20,244,690
March.....	10,845,424	7,711,597	—	—	—	21,676	—	18,578,697	2,540,721	21,119,418
April.....	10,062,276	8,843,184	—	—	—	13,000	—	18,918,460	3,295,640	22,214,100
May.....	12,681,863	12,622,412	—	2,653,192	—	157,405	925,028	29,039,900	3,120,447	32,160,347
June.....	12,009,641	14,439,219	—	1,152,783	—	138,938	101,272	27,841,853	3,857,203	31,699,056
July.....	6,165,305	8,374,967	628,413	867,022	—	65,288	—	16,100,995	2,563,021	18,664,016
<b>Total Crop Year 1958-59.....</b>	<b>106,547,195</b>	<b>118,857,043</b>	<b>18,409,322</b>	<b>4,979,236</b>	<b>—</b>	<b>1,953,931</b>	<b>1,408,216</b>	<b>252,154,943</b>	<b>36,667,782</b>	<b>288,822,725</b>
<b>Total Crop Year 1957-58.....</b>	<b>129,667,667</b>	<b>120,320,453</b>	<b>18,395,046</b>	<b>143,405</b>	<b>—</b>	<b>5,370,162</b>	<b>1,795,924</b>	<b>275,692,657</b>	<b>40,380,838<sup>3</sup></b>	<b>316,073,495</b>
<b>5-Year Average 1953-54 to 1957-58.....</b>	<b>105,071,131</b>	<b>112,724,409</b>	<b>14,138,003</b>	<b>60,962</b>	<b>173,760</b>	<b>5,079,506</b>	<b>1,403,022</b>	<b>238,650,793</b>	<b>40,157,652</b>	<b>278,808,445</b>

<sup>1</sup>Compiled from returns of Canadian elevator licensees and shippers and advice from American grain correspondents.

<sup>2</sup>Canadian Customs returns converted to bushels—unadjusted for time lag.

<sup>3</sup>Revised—adjusted to remove effect of time lag in reports made by the Customs.



**BOARD OF GRAIN COMMISSIONERS**

**Table C-8.—Overseas Exports of Canadian Grain, by Seaboard Sectors, by Grades, Crop Year 1958-59**

Grades	Via Canadian Pacific Ports	Via Canadian St. Lawrence- Atlantic Ports	Via Churchill	Via Ft. William- Port Arthur direct	Via United States Atlantic Ports	Total
	bu.	bu.	bu.	bu.	bu.	bu.
<b>WHEAT—</b>						
1 Manitoba Northern.....	596,973	379,973	186,667	—	—	1,163,613
2 Manitoba Northern.....	30,438,674	34,173,948	9,448,082	2,131,003	—	76,191,707
3 Manitoba Northern.....	37,655,713	39,309,098	5,034,392	1,822,921	—	83,822,124
4 Manitoba Northern.....	25,622,428	20,413,986	1,236,435	594,804	—	47,867,653
No. 5.....	10,176,000	3,981,588	2,286,224	—	—	16,443,812
No. 6.....	499,544	—	—	—	—	499,544
1 Alberta Red Winter.....	160,644	—	—	—	—	160,644
2 Alberta Winter.....	427,869	—	—	—	—	427,869
Other Western.....	969,350	1,364,064	217,522	430,508	—	2,981,444
Eastern.....	—	3,155,305	—	—	—	3,155,305
2 C.W. Amber Durum.....	—	2,392,417	—	—	—	2,392,417
3 C.W. Amber Durum.....	—	4,002,863	—	—	—	4,002,863
Ex. 4 C.W. Amber Durum.....	—	4,015,414	—	—	—	4,015,414
4 C.W. Amber Durum.....	—	5,668,387	—	—	—	5,668,387
<b>Totals.....</b>	<b>106,547,195</b>	<b>118,857,043</b>	<b>18,409,322</b>	<b>4,979,236</b>	<b>—</b>	<b>248,792,796</b>
<b>OATS—</b>						
3 C.W.....	—	205,544	—	86,413	—	291,957
Extra 1 Feed.....	1,389,658	477,957	—	115,294	—	1,982,909
1 Feed.....	1,965,714	102,352	—	—	—	2,068,066
Mixed Feed.....	362,024	214,482	313,829	—	—	890,335
Eastern.....	—	391,518	—	—	—	391,518
<b>Totals.....</b>	<b>3,717,396</b>	<b>1,391,853</b>	<b>313,829</b>	<b>201,707</b>	<b>—</b>	<b>5,624,785</b>
<b>BARLEY—</b>						
2 C.W. Six-Row.....	2,365	—	—	—	—	2,365
3 C.W. Six-Row.....	4,162,300	58,187	—	35,267	—	4,255,754
2 C.W. Two-Row.....	515,340	—	—	—	—	515,340
3 C.W. Two-Row.....	11,499,354	49,945	—	—	—	11,549,299
1 Feed.....	17,196,458	2,160,741	—	—	—	19,357,199
2 Feed.....	3,430,934	9,749,659	—	5,198,313	—	18,378,906
Tough 2 Feed.....	—	—	—	166,273	—	166,273
<b>Totals.....</b>	<b>36,806,751</b>	<b>12,018,532</b>	<b>—</b>	<b>5,399,853</b>	<b>—</b>	<b>54,225,136</b>
<b>RYE—</b>						
2 C.W.....	302,719	771,167	—	—	—	1,073,886
3 C.W.....	15,963	19,628	—	—	—	35,591
<b>Totals.....</b>	<b>318,682</b>	<b>790,795</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>1,109,477</b>
<b>FLAXSEED—</b>						
1 C.W.....	6,475,469	4,719,579	—	1,332,930	—	12,527,978
2 C.W.....	180,486	1,434,203	—	12,308	—	1,626,997
3 C.W.....	61,077	40,203	—	20,000	—	121,280
<b>Totals.....</b>	<b>6,717,032</b>	<b>6,193,985</b>	<b>—</b>	<b>1,365,238</b>	<b>—</b>	<b>14,276,255</b>

Table C-9.—Overseas Exports of Canadian Grain, by Ports, Crop Year 1958-59

Loaded at	Wheat (All varieties)	Oats	Barley	Rye	Flaxseed	Total All Grains
	bu.	bu.	bu.	bu.	bu.	bu.
Vancouver-New Westminster	105,162,912	3,717,396	27,979,284	318,682	6,036,267	143,214,541
Victoria	1,384,283	—	—	—	680,765	2,065,048
Prince Rupert	—	—	8,827,467	—	—	8,827,467
Churchill	18,409,322	313,829	—	—	—	18,723,151
Fort William-Port Arthur direct	4,979,236	201,707	5,399,853	—	1,365,238	11,946,034
Samia	—	—	80,571	—	—	80,571
Montreal	49,195,811	1,066,077	6,473,423	790,795	4,708,239	62,234,345
Sorel	17,760,104	65,793	2,824,194	—	—	20,650,091
Three Rivers	12,365,906	177,617	751,198	—	171,675	13,466,396
Quebec	9,867,788	—	1,842,431	—	—	11,710,219
Saint John	2,734,345	—	—	—	—	2,734,345
West Saint John	13,699,323	82,366	46,715	—	1,190,311	15,018,715
Halifax	13,233,766	—	—	—	123,760	13,357,526
<b>Totals—Canadian Ports</b>	<b>248,792,796</b>	<b>5,624,785</b>	<b>54,225,136</b>	<b>1,109,477</b>	<b>14,276,255</b>	<b>324,028,449</b>
U.S.A. Ports	—	—	—	—	—	—
<b>Totals to Overseas</b>	<b>248,792,796</b>	<b>5,624,785</b>	<b>54,225,136</b>	<b>1,109,477</b>	<b>14,276,255</b>	<b>324,028,449</b>
Wheat Flour <sup>1</sup>	36,667,782	—	—	—	—	36,667,782
U.S.A. Imports <sup>2</sup>	3,362,147	1,430,130	10,151,374	2,112,599	—	17,056,250
<b>Grand Totals</b>	<b>288,822,725</b>	<b>7,054,915</b>	<b>64,376,510</b>	<b>3,222,076</b>	<b>14,276,255</b>	<b>377,752,481</b>

<sup>1</sup>Canadian Customs Returns—converted to bushels.<sup>2</sup>Compiled from returns of Canadian Elevator licensees and shippers and advice from American grain correspondents.

**BOARD OF GRAIN COMMISSIONERS**

**Table C-10.—Tough and Damp Grain Dried, by Storage Position, Crop Year 1958-59**

	Artificial Drying			Natural Drying	Total
	Tough	Damp	Tough and Damp		
<b>LAKEHEAD</b>	bu.	bu.	bu.	bu.	bu.
Wheat.....	258,494	1,366,794	1,625,288	7,340,767	8,966,055
Durum.....	187	6,062	6,249	58,603	64,852
Oats.....	—	—	—	549,766	549,766
Barley.....	80,330	553,553	633,883	2,928,820	3,562,703
Rye.....	—	1,916	1,916	101,233	103,149
Flaxseed.....	7,314	9,910	17,224	354,648	371,872
<b>Totals.....</b>	<b>346,325</b>	<b>1,938,235</b>	<b>2,284,560</b>	<b>11,333,837</b>	<b>13,618,397</b>
<b>PACIFIC COAST</b>					
Wheat.....	234,419	20,885	255,304	4,563,635	4,818,939
Oats.....	—	—	—	11,352	11,352
Barley.....	297,792	9,984	307,776	836,999	1,144,775
Rye.....	—	—	—	2,002	2,002
Flaxseed.....	—	—	—	63,564	63,564
<b>Totals.....</b>	<b>532,211</b>	<b>30,869</b>	<b>563,080</b>	<b>5,477,552</b>	<b>6,040,632</b>
<b>INTERIOR</b>					
Wheat.....	—	1,279	1,279	219,054	220,333
Barley.....	—	—	—	150	150
<b>Totals.....</b>	<b>—</b>	<b>1,279</b>	<b>1,279</b>	<b>219,204</b>	<b>220,483</b>
<b>CHURCHILL</b>					
Wheat.....	—	—	—	57,946	57,946
<b>Totals, All Positions.....</b>	<b>878,536</b>	<b>1,970,383</b>	<b>2,848,919</b>	<b>17,088,539</b>	<b>19,937,458</b>

**TABLE C-11.—Weighted Average Lake Freight Rates on Canadian Grain from Fort William-Port Arthur, Season of Navigation 1959**

Port of Discharge	Wheat	Oats	Barley	Rye	Flaxseed
Georgian Bay Ports, Goderich, Sarnia and Walkerville.....	4.725	4.385	4.835	4.5	—
Port Colborne.....	6.776	6.189	6.818	6.926	—
Toronto.....	7.223	6.547	7.164	7.0	7.747
Kingston.....	8.628	7.578	7.738	—	—
Prescott.....	8.066	7.286	7.660	—	—
Montreal (Direct).....	13.324	10.671	12.881	13.670	14.979
Montreal via Bay Ports.....	—	—	13.25	—	—
Montreal via Port Colborne.....	14.069	10.0	12.427	—	15.0
Montreal via Toronto.....	14.0	11.0	13.25	—	—
Montreal via Kingston.....	13.994	11.076	13.25	14.0	15.758
Montreal via Prescott.....	13.987	10.809	13.080	14.0	15.0
Sorel (Direct).....	13.126	11.145	13.285	—	—
Sorel via Port Colborne.....	14.0	—	—	—	—
Sorel via Prescott.....	14.0	—	12.25	—	—
Three Rivers (Direct).....	13.0	10.129	12.25	—	—
Three Rivers via Bay Ports.....	14.0	—	—	—	—
Three Rivers via Port Colborne.....	14.0	—	14.0	—	—
Three Rivers via Toronto.....	14.0	—	13.25	—	—
Three Rivers via Prescott.....	14.0	—	—	—	—
Quebec (Direct).....	13.051	10.557	12.679	—	—
Quebec via Port Colborne.....	15.116	10.0	13.504	—	—
Quebec via Prescott.....	14.0	—	13.0	—	—
Halifax (Direct).....	18.084	16.834	17.708	—	—
Buffalo.....	8.049	6.943	7.759	7.835	—
Chicago.....	7.0	—	6.505	6.388	—
Duluth-Superior.....	6.320	—	5.841	—	—
Detroit.....	—	—	7.225	—	—
Manitowoc.....	—	—	6.460	—	—
Milwaukee.....	—	—	6.7	—	—

Note.—Rates originally quoted in United States Funds have been converted to Canadian currency at the prevailing rates of exchange.



Table C-12. — Excesses and Deficiencies in Specified Grades of Wheat Disclosed by Weighovers of Grain Stored in SEMI-PUBLIC TERMINAL Elevators, Crop Year 1958-59

Date of Weighover	Licensee	EXCESS						DEFICIENCY					
		No. 1 Manitoba Hard	No. 1 Manitoba Northern	No. 2 Manitoba Northern	No. 3 Manitoba Northern	No. 1 Canada Western Garnet	No. 2 Canada Western Garnet	No. 1 Manitoba Hard	No. 1 Manitoba Northern	No. 2 Manitoba Northern	No. 3 Manitoba Northern	No. 1 Canada Western Garnet	No. 2 Canada Western Garnet
	FORT WILLIAM-PORT ARTHUR	bu.	bu.	bu.	bu.	bu.	bu.	bu.	bu.	bu.	bu.	bu.	bu.
Dec. 29, 1958- Jan. 6, 1959.....	Canadian Consolidated Grain Co. Ltd.	—	—	—	4,879.2	—	—	—	—	6.2	—	—	—
Dec. 16-22, 1958.....	Empire Thunder Bay.....	—	—	—	—	—	—	—	135.9	3.4	11.3	—	—
Oct. 22-31, 1958.....	Eastern Terminal Elevator Co. Ltd.	—	—	5,591.2	—	—	—	—	7,923.1	—	18,675.8	—	—
Dec. 15-22, 1958.....	Federal Grain Ltd.	—	518.7	—	—	—	—	—	—	10,697.1	4,602.4	—	—
Dec. 19-24, 1958.....	Northwestern Stewart.....	—	—	—	—	—	—	—	1,255.7	18,469.6	13,072.0	—	—
Dec. 8-11, 1958.....	Fort William Elevator Co. Ltd.	—	—	—	—	—	—	—	—	—	—	—	—
Dec. 10-17, 1958.....	Elevator "E" Elevator "F".....	—	—	—	—	—	—	—	29.4	515.9	20.8	—	—
Dec. 8-11, 1958.....	Lakehead Terminals Ltd.	—	—	—	—	—	—	—	4.5	137.5	278.5	—	—
Jan. 12-22, 1959.....	Manitoba Pool Elevators	—	—	—	—	—	—	—	38.0	1,558.1	6,083.6	—	—
Jan. 6-15, 1959.....	Elevator No. 1.....	—	—	—	—	—	—	—	159.2	1,175.7	7,613.9	—	—
Dec. 22-29, 1958.....	Elevator No. 2.....	—	—	—	—	—	—	—	—	230.3	1,292.2	—	—
Jan. 19-23, 1959.....	Elevator No. 3.....	—	—	—	—	—	—	—	17.2	4,346.4	8,986.4	—	—
Dec. 11-15, 1958.....	Elevator No. 9.....	—	—	—	—	—	—	—	13.7	2,008.2	5,219.2	—	—
Dec. 17-24, 1958.....	McCabe Grain Co. Ltd.....	—	—	—	—	—	—	—	121.6	7,488.2	13,448.9	—	—
Dec. 8-16, 1958.....	National Grain Co. Ltd.....	—	—	—	—	—	—	—	3.5	11,882.6	1,829.0	—	—
	Ogilvie Flour Mills Co. Ltd.....	—	—	—	—	—	—	—	—	—	—	—	—

**BOARD OF GRAIN COMMISSIONERS**

Date of Weighover	Licensee	EXCESS						DEFICIENCY				
		No. 1 Manitoba Hard	No. 1 Manitoba Northern	No. 2 Manitoba Northern	No. 3 Manitoba Northern	No. 1 Canada Western Garnet	No. 2 Canada Western Garnet	No. 1 Manitoba Northern	No. 2 Manitoba Northern	No. 3 Manitoba Northern	No. 1 Canada Western Garnet	No. 2 Canada Western Garnet
	Saskatchewan Wheat Pool	bu.	bu.	bu.	bu.	bu.	bu.	bu.	bu.	bu.	bu.	bu.
Dec. 29, 1958	Elevator No. 6.....	—	—	—	—	—	—	20,580.5	13,035.9	10,576.6	—	—
Jan. 6, 1959	Elevator No. 7.....	—	—	—	—	—	—	1,744.5	7,007.5	9,500.3	—	—
Dec. 15-22, 1958		—	—	—	—	—	—	10.6	83.7	529.5	—	—
Dec. 10-13, 1958	Superior Elevator Co. Ltd.....	—	—	—	—	—	—	—	—	—	—	—
	VANCOUVER-NEW WESTMINSTER	—	—	—	—	—	—	—	—	—	—	—
Aug. 28-Sept. 9, 1958	Burrard Terminals Ltd.....	—	53.0	—	4,375.9	—	—	—	4,186.6	—	—	—
	Pacific Elevators Ltd.	—	—	—	—	—	—	—	—	—	—	—
June 17-26, 1959	Elevator No. 1 and 3.....	—	—	—	—	—	—	662.4	53,460.1	76,045.8	—	—
	Saskatchewan Wheat Pool	—	—	—	—	—	—	—	—	—	—	—
Aug. 21-26, 1958	Elevator No. 2 (N.H.B.).....	—	—	—	—	—	—	201.0	13,583.5	1,714.9	—	—
	United Grain Growers Ltd.	—	—	—	—	—	—	—	—	—	—	—
Aug. 29-Sept. 11, 1958	Elevator No. 3 (N.H.B.).....	—	—	—	—	—	—	71.7	1,219.2	15,831.7	—	—
	VICTORIA, B.C.	—	—	—	—	—	—	—	—	—	—	—
Feb. 23-27, 1959	Victoria Elevator Ltd.....	—	36.0	—	1,252.7	—	—	—	506.3	—	—	—
	PRINCE RUPERT, B.C.	—	—	—	—	—	—	—	—	—	—	—
April 28-30, 1959	Canadian Government Elevator.....	—	—	—	—	—	—	—	—	—	—	—
	CHURCHILL, MAN.	—	—	—	—	—	—	—	—	—	—	—
Oct. 15-24, 1958	National Harbours Board.....	—	—	33,332.6	—	—	—	36,479.6	—	6,265.9	—	—

TRADE AND COMMERCE

**Table C-13.—Excesses and Deficiencies in Specified Grades of Wheat disclosed by Weighovers of Grain Stored in PRIVATE TERMINAL Elevators, Crop Year 1958-59**

Date of Audit, December 11, 1958	Winnipeg, Manitoba Canada Malting Co. Ltd.	
	Excess	Deficiency
	bu.	bu.
No. 1 Manitoba Hard.....	—	—
No. 1 Manitoba Northern.....	—	—
No. 2 Manitoba Northern.....	—	5 1
No. 3 Manitoba Northern.....	—	40 3
No. 1 Canada Western Garnet.....	—	—
No. 2 Canada Western Garnet.....	—	—

No wheat of the above grades was handled or in store in the following elevators:

Date of Weighover	Elevator Company	Location
August 22nd, 1958.....	Canada Malting Co. Ltd.....	Calgary, Alberta
January 22nd, 1959.....	Canada Malting Co. Ltd.....	Port Arthur, Ontario
December 8th, 1958.....	Dominion Malting Co. Ltd....	Transcona, Manitoba
January 5th, 1959.....	National Grain Feed Mill.....	Fort William, Ontario

**Table C-14.—Overages and Shortages Disclosed by Weighovers of Canada Western and Foreign Grain Stored in Eastern Elevators, Crop Year 1958-59**

Date of Weighover	Licensee	Kind of Grain	Overage	Shortage
1959			bu.	bu.
Mar. 16-19	COLLINGWOOD Collingwood Terminals Ltd.....	Canada Western Wheat.....	—	662.6
		Canada Western Oats.....	—	3,082.3
		Canada Western Barley.....	1,497.6	—
		Canada Western Rye.....	83.5	—
		South African Corn.....	—	1.0
Mar. 30- April 8	GODERICH Goderich Elevator and Transit Co. Ltd.....	Canada Western Wheat.....	—	2,272.6
		Canada Western Oats.....	1,017.0	—
		Canada Western Barley.....	—	439.6
		Canada Western Rye.....	73.2	—
		Canada Western Sample Grain.....	—	*100
		Canada Western Screenings.....	—	*24,340
		U.S.A. Corn.....	—	539.6
Mar. 19-26	Upper Lakes Shipping Ltd.....	Canada Western Wheat.....	—	1,016.1
		Canada Western Oats.....	—	2,948.0
		Canada Western Barley.....	385.8	—
		Canada Western Buckwheat.....	—	31.2
		Canada Western Screenings.....	*33,260	—
		U.S.A. Corn.....	—	666.7
Mar. 23- April 4	HUMBERSTONE Robin Hood Flour Mills Ltd.....	Canada Western Wheat.....	—	13,633.5
		Canada Western Oats.....	—	333.2
		Canada Western Barley.....	—	467.8
Mar. 16-25	KINGSTON Canada Steamship Lines Ltd.....	Canada Western Wheat.....	—	15,446.9
		Canada Western Oats.....	—	2,062.3
		Canada Western Barley.....	—	5,548.5
		Canada Western Rye.....	—	181.5
		Canada Western Flaxseed.....	—	2,403.7
		Canada Western Buckwheat.....	—	29.4
		U.S.A. Rye.....	—	15.4
		U.S.A. Flaxseed.....	—	60.9
		U.S.A. Corn.....	—	1,375.8



**BOARD OF GRAIN COMMISSIONERS**

**Table C-14.—Overages and Shortages Disclosed by Weighovers of Canada Western and Foreign Grain Stored in Eastern Elevators, Crop year 1958-59—Continued**

Date of Weighover	Licensee	Kind of Grain	Overage	Shortage
<b>1959</b>			<b>bu.</b>	<b>bu.</b>
May 21	LAKEFIELD Lakefield Elevator Co. Ltd.	Canada Western Wheat.....	—	2,943.5
Mar. 3-16	MIDLAND Canada Steamship Lines Ltd.	Canada Western Wheat.....	—	4,695.1
		Canada Western Oats.....	40.2	—
		Canada Western Barley.....	928.3	—
Mar. 2-13	Canadian National Railways.....	Canada Western Wheat.....	—	6,998.4
		Canada Western Barley.....	—	50.0
		U.S.A. Corn.....	—	184.9
Feb. 11-26	Midland-Simcoe Elevator Co. Ltd.	Canada Western Wheat.....	—	5,018.1
		Canada Western Oats.....	—	6,001.9
		Canada Western Barley.....	—	363.5
Feb. 18-26	Renown Investments Ltd.	Canada Western Wheat.....	—	2,098.6
		Canada Western Oats.....	307.9	—
		U.S.A. Corn.....	—	168.6
Mar. 10-13	MONTREAL Dominion Elevator Ltd.	Canada Western Wheat.....	—	2,196.9
		Canada Western Oats.....	—	1,251.1
		Canada Western Barley.....	—	2,227.7
		Canada Western Sample Grain....	—	*2,360
		Canada Western Screenings.....	—	*43,620
		U.S.A. Corn.....	—	235.9
		S.A. Corn.....	—	15.9
Mar. 23-30	OWEN SOUND Great Lakes Elevator Co. Ltd.	Canada Western Wheat.....	—	6,291.1
		Canada Western Oats.....	—	1,467.3
		Canada Western Barley.....	—	1,346.3
		Canada Western Rye.....	—	5.5
		Canada Western Sample Grain....	—	*2,380
		Canada Western Screenings.....	—	*9,180
		U.S.A. Corn.....	—	953.1
Mar. 16-19	PORT COLBORNE Maple Leaf Milling Co. Ltd.	Canada Western Wheat.....	—	9,836.3
		Canada Western Oats.....	—	845.2
		Canada Western Barley.....	—	1,470.8
		Canada Western Rye.....	—	140.2
		Canada Western Flaxseed.....	—	54.6
		U.S.A. Corn.....	—	19.2
Sept. 3-5 1958	National Harbours Board.....	Canada Western Wheat.....	—	20,365.5
		Canada Western Oats.....	—	1,709.9
		Canada Western Barley.....	—	8,035.5
		Canada Western Rye.....	—	220.5
		Canada Western Flaxseed.....	—	3,085.3
		Canada Western Buckwheat.....	—	377.2
		U.S.A. Flaxseed.....	—	2,082.9
		U.S.A. Corn.....	—	337.3
Mar. 17-25	PORT McNICOLL Canadian Pacific Railway Co.	Canada Western Wheat.....	—	4,765.4
		Canada Western Oats.....	—	58.3
		Canada Western Barley.....	—	279.8
		U.S.A. Corn.....	—	219.6
Feb. 24- Mar. 6	PRESCOTT National Harbours Board.....	Canada Western Wheat.....	—	6,963.6
		Canada Western Oats.....	—	5,390.0
		Canada Western Barley.....	—	10,294.0
		Canada Western Rye.....	663.8	—
		Canada Western Flaxseed.....	—	1,996.9
		U.S.A. Flaxseed.....	—	645.6
		U.S.A. Corn.....	—	4,031.6

TRADE AND COMMERCE

Table C-14.—Overages and Shortages Disclosed by Weighovers of Canada Western and Foreign Grain Stored in Eastern Elevators, Crop Year 1958-59—Concluded

Date of Weighover	Licensee	Kind of Grain	Overage	Shortage
1959			bu.	bu.
Feb. 24- Mar. 12	QUEBEC National Harbours Board.....	Canada Western Wheat.....	—	9,742.4
		Canada Western Oats.....	—	3,795.3
		Canada Western Barley.....	—	4,038.9
		Canada Western Sample Grain.....	—	*9,580
		Canada Western Screenings.....	—	*7,270
		U.S.A. Corn.....	—	383.1
		S.A. Corn.....	—	115.6
April 1-16	SARNIA Sarnia Elevator Co. Ltd.....	Canada Western Wheat.....	—	19,507.6
		Canada Western Oats.....	—	5,118.5
		Canada Western Barley.....	—	1,792.9
		Canada Western Rye.....	—	355.8
		Canada Western Sample Grain.....	—	*1,180
		Canada Western Screenings.....	—	*3,770
		U.S.A. Flaxseed.....	—	62.6
Feb. 10-23	SOREL North American Elevators Ltd.....	Canada Western Wheat.....	—	7,181.5
		Canada Western Oats.....	—	575.2
		Canada Western Barley.....	—	4,682.4
		Canada Western Flaxseed.....	—	50.0
		Canada Western Soybeans.....	—	23.4
		U.S.A. Corn.....	—	66.9
Mar. 9-26	TORONTO Toronto Elevators Ltd.....	Canada Western Wheat.....	—	4,658.8
		Canada Western Oats.....	—	1,878.4
		Canada Western Barley.....	—	1,902.1
		Canada Western Rye.....	—	.9
		Canada Western Flaxseed.....	—	829.3
		Canada Western Sample Grain.....	—	*2,700
		Canada Western Screenings.....	—	*8,850
		U.S.A. Corn.....	—	532.7
		U.S.A. Soybeans.....	8,805.9	—
May 21	PETERBOROUGH Trent Elevator Co.....	Canada Western Wheat.....	—	519.7
Mar. 31- April 7	WALKERVILLE Hiram Walker & Sons Grain Corp. Ltd.....	Canada Western Wheat.....	—	2,904.8
		Canada Western Oats.....	—	264.5
		Canada Western Barley.....	273.4	—
		Canada Western Rye.....	—	79.7
		U.S.A. Corn.....	—	74.9
April 10	SAINT JOHN Canadian National Railways Co.....	Canada Western Wheat.....	—	2,276.9
April 14	WEST SAINT JOHN Canadian Pacific Railway Co. Elevator "B".....	Canada Western Wheat.....	—	2,860.3
		Canada Western Barley.....	—	14.6
		Canada Western Flaxseed.....	—	322.3
		Canada Western Peas.....	—	10.4
		Canada Western Rapeseed.....	—	*7,080
April 16	Canadian Pacific Railway Co. Elevator "H".....	Canada Western Wheat.....	—	2,654.8
		Canada Western Oats.....	—	51.5
		Canada Western Barley.....	—	14.6
		Canada Western Flaxseed.....	—	421.6
		Canada Western Peas.....	—	44.3
		Canada Western Rapeseed.....	—	*14,430
April 20-24	HALIFAX National Harbours Board.....	Canada Western Wheat.....	—	8,648.4
		Canada Western Oats.....	—	7.5
		Canada Western Flaxseed.....	—	77.3
		Canada Western Peas.....	—	2.3
		Canada Western Rapeseed.....	—	*320
		S.A. Corn.....	—	153.0

\*Pounds.

**BOARD OF GRAIN COMMISSIONERS**

**Table C-15.—Amounts Collected and Grain Purchased under the One Per Cent Levy, Prairie Farm Assistance Act, Crop Year 1958-59**

Province	Wheat	Oats	Barley	Rye	Flaxseed	Rapeseed	Total
	\$	\$	\$	\$	\$	\$	\$
Manitoba.....	629,882.86	72,424.67	193,868.94	9,005.44	101,201.97	2,628.04	1,009,011.92
Saskatchewan.....	3,030,090.94	77,413.86	401,569.76	22,444.20	234,896.75	37,330.21	3,803,745.72
* Alberta.....	1,273,397.60	46,851.58	392,929.96	12,731.30	127,836.80	7,495.32	1,861,242.56
<b>Totals.....</b>	<b>4,933,371.40</b>	<b>196,690.11</b>	<b>988,368.66</b>	<b>44,180.94</b>	<b>463,935.52</b>	<b>47,453.57</b>	<b>6,674,000.20</b>
* Includes Peace River area in B.C.							
Penalties on late filing of returns.....							1.50
<b>Total collections Aug 1., 1958 to July 31, 1959 .....</b>							<b>6,674,001.70</b>

	GRAIN PURCHASES						
	thousands of bushels						
Manitoba.....	47,110	13,928	23,357	1,004	3,634	195	89,228
Saskatchewan.....	222,117	15,373	49,061	2,577	8,590	3,942	301,660
Alberta.....	95,843	9,468	49,167	1,472	4,652	1,378	161,980
<b>Totals.....</b>	<b>365,070</b>	<b>38,769</b>	<b>121,585</b>	<b>5,053</b>	<b>16,876</b>	<b>5,515</b>	<b>552,868</b>

**Table C-16.—Licences in Force and Storage Capacity as at July 31st, 1959 and a Year Ago**

Kind of Licence	Licences in force		Licensed storage capacity	
	July 31		July 31	
	1959	1958	1959	1958
Country Elevators.....	5,317	5,348	378,071,540	369,493,750
Supplementary Annexes to Country Elevators.....	*	*	11,381,400	14,551,690
Terminals and Mill Elevators.....	80	81	158,266,010	158,312,010
Eastern Elevators.....	31	31	94,227,300	94,302,300
Track Buyers, Commission Merchants and Grain Dealers.....	49	49	†	†
<b>Totals.....</b>	<b>5,477</b>	<b>5,509</b>	<b>641,946,250</b>	<b>636,659,750</b>

\*204 buildings at July 31, 1959 and 367 buildings at July 31, 1958.

†These licences do not cover grain storage facilities.



# TRADE AND COMMERCE

Table C-17.—Number and Kind of Licences Issued and Licensed Storage Capacity, as at December 1st each year for the Past Five Years

Kind of Licence	1959	1958	1957	1956	1955
NUMBER OF LICENCES					
Public Country Elevator.....	5,304	5,314	5,343	5,354	5,369
Private Country Elevator.....	8	8	10	9	10
Mill Elevator.....	34	35	33	32	33
Public Terminal Elevator.....	—	—	—	5	5
Semi-Public Terminal Elevator.....	40	40	40	34	35
Private Terminal Elevator.....	5	5	5	5	5
Eastern Elevator.....	31	31	30	30	30
Track Buyer.....	20	22	21	21	21
Commission Merchant.....	22	24	23	23	25
Grain Dealer.....	5	5	5	5	7
<b>Totals.....</b>	<b>5,469</b>	<b>5,484</b>	<b>5,510</b>	<b>5,518</b>	<b>5,540</b>
Licensed Capacity					
	thousands of bushels				
Public Country Elevator.....	380,838	373,357	364,661	356,263	343,953
Grain Storage Buildings.....	10,157	12,992	14,953	15,080	8,522
Private Country Elevator.....	232	240	369	337	349
Mill Elevator.....	13,637	13,671	13,513	13,451	13,525
Public Terminal Elevator.....	—	—	—	17,100	17,100
Semi-Public Terminal Elevator.....	138,524	137,524	137,524	118,774	116,624
Private Terminal Elevator.....	7,070	7,070	7,070	7,070	7,070
Eastern Elevator.....	97,767	94,227	94,102	94,102	92,182
<b>Totals.....</b>	<b>648,225</b>	<b>639,081</b>	<b>632,192</b>	<b>622,177</b>	<b>599,325</b>

Table C-18.—Licensed Elevators and Storage as at December 1, 1959.

Kind of Elevator	Ontario	Mani- toba	Saskat- chewan	Alberta	British Colum- bia	Quebec and Mariti- mes	Totals
NUMBER OF ELEVATORS							
Public Country.....	2	696	2,905	1,682	19	—	5,304
Private Country.....	—	2	1	5	—	—	8
Mill.....	3	8	6	9	8	—	34
Public Terminal.....	—	—	—	—	—	—	—
Semi-Public Terminal.....	24	2	2	3	9	—	40
Private Terminal.....	2	2	—	1	—	—	5
Eastern.....	19	—	—	—	—	12	31
<b>Totals.....</b>	<b>50</b>	<b>710</b>	<b>2,914</b>	<b>1,700</b>	<b>36</b>	<b>12</b>	<b>5,422</b>
STORAGE CAPACITY							
	thousands of bushels						
Public Country.....	65	49,669	200,474	128,434	2,196	—	380,838
†Grain Storage Buildings.....	1,400	—	5,027	3,730	—	—	10,157
Private Country.....	—	45	29	158	—	—	232
Mill.....	1,480	2,255	4,916	4,049	937	—	13,637
Public Terminal.....	—	—	—	—	—	—	—
Semi-Public Terminal.....	90,517	6,000	11,000	6,100	24,907	—	138,524
Private Terminal.....	2,435	3,145	—	1,490	—	—	7,070
Eastern.....	57,226	—	—	—	—	40,541	97,767
<b>Totals.....</b>	<b>153,123</b>	<b>61,114</b>	<b>221,446</b>	<b>143,961</b>	<b>28,040</b>	<b>40,541</b>	<b>648,225</b>

†Off-site storage.

## BOARD OF GRAIN COMMISSIONERS

### APPENDIX D

#### Registration Branch

C. J. BROWNSCOMBE, Registrar

*Section 127 of the Canada Grain Act requires operators or managers of Public terminal, Semi-Public terminal and Eastern Elevators to issue warehouse receipts for all grain taken into store. Regulations No. 1 and No. 2, made by the Board under the provisions of Section 15 (22) of the Canada Grain Act, require that all such warehouse receipts be registered with the Board as to grade and quantity at the time of issue, and that these warehouse receipts be surrendered to the Board for registration for cancellation when the grain which they represent has been shipped out.*

Table D-1 of this appendix presents the total bushels, by grains, for which warehouse receipts were registered against grain received into store and registered for cancellation against grain shipped out, together with the averages of these handlings for the past ten crop years for comparison. Registration service was also provided to licensees for the registration and registration for cancellation of warehouse receipts that were required to be split, consolidated, grade adjusted or re-issued to facilitate documentation in connection with the handling of grain, and this work continued at normal levels throughout the year.

Records were maintained for each licensee in both the Eastern and Western Divisions, by grade, to show the total quantities registered, registered for cancellation or outstanding each day, and were kept in such manner as to provide both monthly and crop year totals of receipts, shipments, natural and artificial drying, and grade adjustments. A separate series of records was maintained for each licensee to provide a complete registration and cancellation record of all warehouse or transfer receipts issued. Certified statements of outstanding warehouse receipt grade totals and of the handlings for the non-mixing grades of wheat, and other relevant data, were issued as required for use in connection with the annual weighover of stocks of grain as carried out by Board officials at all terminal and eastern elevators.

Total bushels registered and registered for cancellation for all grains for elevators in the Western Division show decreases of 49.0 million and 50.4 million bushels respectively, as compared to those of the previous crop year, and decreases of 19.1 million and 9.1 million bushels respectively, compared to those of the ten-year average. Corresponding decreases in handlings, compared to those of the previous crop year, were also noted for the Eastern Division, but a slight increase in the quantities shipped was noted as compared to the ten-year average.

Fees for registration service were charged at the rate of 4 cents a thousand bushels for registration and for registration for cancellation in the Western Division, and one cent a thousand bushels for similar service in the Eastern Division. The general decrease in handlings for both Eastern and Western Divisions is reflected in the total fees collected for registration service of \$47,330.07 as compared to the ten-year average of \$48,542.58.

TRADE AND COMMERCE

Table D-1.—Warehouse Receipt Registrations for Primary and Transfer Receipts and Shipments at Semi-Public Terminal Elevators and Eastern Elevators, by Area and Grain, Crop Year 1958-59 and 10-year Average.

Area	Grain	Crop Year 1958-59		10-Year Average, 1948-49 to 1957-58	
		Registered	Registered for Cancellation	Registered	Registered for Cancellation
			—thousands	of bushels—	
WESTERN DIVISION— Winnipeg, including Lakehead and Churchill.....	Wheat.....	201,099	198,918	205,111	200,891
	Oats.....	32,637	35,209	68,470	70,293
	Barley.....	53,416	57,093	73,806	72,878
	Flax.....	9,394	10,507	9,517	9,358
	Rye.....	4,114	4,521	10,646	10,489
	Mixed Grain....	188	188	815	541
	Corn.....	—	—	29	39
	Other Grains....	141	114	137	147
INTERIOR ELEVATORS— Calgary, Edmonton, Lethbridge, Moose Jaw and Saskatoon.....	Wheat.....	3,624	1,218	5,449	4,396
	Oats.....	250	190	356	378
	Barley.....	1,726	1,816	1,577	1,572
	Flax.....	63	63	197	205
	Rye.....	—	—	41	41
	Mixed Grain....	—	44	—	26
	Corn.....	11	8	16	13
	Other Grains....	5,196	4,767	1,005	859
VANCOUVER AND PRINCE RUPERT AREA—	Wheat.....	105,495	107,717	95,060	93,994
	Oats.....	4,313	5,096	2,178	3,200
	Barley.....	38,248	37,187	14,549	14,494
	Flax.....	6,640	6,654	1,176	1,126
	Rye.....	260	336	211	200
	Mixed Grain....	7	5	39	48
	Corn.....	—	—	269	268
	Other Grains....	5,748	5,734	1,040	1,028
WESTERN DIVISION— All Points—	Wheat.....	310,218	307,853	305,620	299,281
	Oats.....	37,200	40,495	71,004	73,871
	Barley.....	93,390	96,096	89,932	88,944
	Flax.....	16,097	17,224	10,890	10,689
	Rye.....	4,374	4,857	10,898	10,730
	Mixed Grain....	195	237	854	615
	Corn.....	11	8	314	320
	Other Grains....	11,085	10,615	2,182	2,034
Totals—All Grains.....		472,570	477,385	491,694	486,484
EASTERN DIVISION—	Wheat.....	289,225	296,349	303,200	297,356
	Oats.....	41,758	43,519	43,402	43,178
	Barley.....	57,275	58,627	79,769	79,488
	Flax.....	24,871	24,585	17,771	17,788
	Rye.....	2,955	3,039	7,122	7,096
	Mixed Grain....	111	126	574	554
	Corn.....	32,834	32,233	16,888	16,989
	Screenings.....	2,060	2,110	1,341	1,347
	Peas.....	205	205	98	99
	Soybeans.....	9,195	9,154	3,061	3,016
	Buckwheat.....	198	202	346	348
	Other Grains....	1,182	1,193	349	347
Totals—All Grains.....		461,869	471,342	473,921	467,606

## APPENDIX E

### Inspection Branch

M. J. CONACHER, Chief Grain Inspector

*Under Section 32 of the Canada Grain Act, the Grain Inspection Branch in the Western Division establishes grades on carlots of grain on samples drawn during unloading by officials of the inspection branch at the Lakehead, Pacific Coast, Churchill, Winnipeg, Calgary, Edmonton, Moose Jaw, Saskatoon, Lethbridge and Medicine Hat. Also, all grain shipped from terminal and mill elevators is officially sampled and inspected. At the primary inspection points of Winnipeg, Calgary and Edmonton, samples placed in railway cars by country elevator agents are removed and graded; while this service does not provide official grades of these shipments, the grades established on the unofficial samples are used by the shippers and terminal operators as a guide to their delivery and handling of the grain.*

*In the Eastern Division, sampling and grading service is provided on request at Chatham and Toronto for Eastern grown grain. At Montreal, Quebec, Sorel, Three Rivers, St. John and Halifax, grain loaded into vessels for export is sampled and the grades are checked.*

*Grades of all grain in store in all terminal and eastern elevators weighed over during the crop year are verified by officials of the Inspection Branch.*

The probing of carlots of grain in the railway yards at Winnipeg, Calgary and Edmonton was discontinued, with occasional exceptions, on August 1, 1958. This was done because it had become increasingly difficult to obtain representative samples, as the railways introduced more and more new cars with higher minimum load requirements; many cars are loaded to full visible capacity, leaving little or no room for men to enter and obtain samples by probing.

This change has met with general approval of the trade; country elevator licensees generally are intent on their agents placing representative samples in the cars they load, so that the grain will be delivered to proper destination on the basis of the grade of the agents' samples.

Cereal crops in Western Canada in 1958 were remarkably good for a year of below normal precipitation. Manitoba, Saskatchewan and Southeastern Alberta suffered from drought through early summer. Development of rust was reduced by the dry weather; and when rains came later, the crops made a remarkable recovery. Yields in Alberta were better than in the other two Prairie Provinces; there were bumper crops through much of central Alberta. Harvest conditions were good over the Prairies, except for a strip across Northern Manitoba, North central Saskatchewan, to part of central Alberta; the harvest was hampered by storms through that area.

Manitoba No. 2 Northern was the predominating grade of Red Spring Wheat (33.5% of shipments). There was an increase in Manitoba No. 1 Northern shipped (1.9% compared to 0.3% in the 1957-58 crop year); second growth, green kernels reduced the grade of much otherwise sound, ripe wheat in the dry belt. There was less Manitoba No. 3 Northern (28.9%) and Manitoba No. 4 Northern (16.5%) than the previous crop year, and much less No. 5 and No. 6 wheat. The incidence of tough and damp grades was higher than in 1957. Selkirk variety matured better, and therefore produced better grades than previously, through the drier areas.

No. 2 Canada Western Amber Durum was the predominating grade of this class (24.6% compared to 18.2% in the previous crop year). This grade, and



## TRADE AND COMMERCE

No. 3, Extra No. 4, and No. 4 Canada Western combined made up 92.4% of Amber Durum inspections. The new variety Ramsey was conspicuous in grades of No. 1, No. 2, and No. 3 Canada Western Amber Durum.

No. 1 Feed was the predominating grade of barley shipped during the crop year (36.6%), a slight increase over the previous year (33.1%); this was on account of light weight in the dry, southern areas and damage from weathering in central and northern districts. Only 39.4% of the barley shipped was graded No. 3 Canada Western or higher, including both six-row and two-row types, compared to 39.1% in the crop year 1957-58.

Only 11.8% of carlots of oats were graded No. 3 Canada Western and higher, on account of weathering and light weight. No. 1 Feed comprised 62.5% of cars of oats inspected.

The incidence of ergot in rye was low; this is typical of a dry growing season in the areas where most of our rye is produced. 89.2% of all carlots of rye were graded No. 2 or No. 3 Canada Western.

89.0% of carlots of flaxseed were graded No. 1 Canada Western, compared to 57.4% the previous year. The quantities of both rapeseed and mustard seed (5,194 and 671 carlots respectively) made new high records; grades of both of these were generally high. 173 carlots of safflower seed set a new record for this seed also.

13,627 samples submitted by country elevator operators and farmers "subject to inspectors' grade and dockage" were graded during the crop year 1958-59.

In Eastern Canada, wet weather in early summer of 1958 produced heavy yields of winter wheat and barley, as well as oats. While some of these early crops were damaged from weathering at harvest time, the quality was generally good. The predominating grade of wheat was No. 2 Canada Eastern White Winter Wheat, and 80% of carlots of barley were graded No. 2 or No. 3 Canada Eastern Six-Row.

Cool, wet weather during the summer affected the yield of late fall crops in Ontario, but better weather in the fall produced good quality in these crops generally. 69.6% of the corn that was inspected was straight grade or extra dry No. 1 or No. 2 Canada Eastern Yellow; 83.3% of the soybeans inspected were straight grade No. 1 or No. 2 Canada Yellow.

Pea beans, which mature earlier than corn and soybeans, suffered some damage from rains at harvest time; 42.7% of carlots inspected were tough or damp. A new variety of pea beans named Sanilac, that withstands blight and adverse weather better than the older varieties, gave gratifying results; yield and grade of Sanilac beans was conspicuously better.

### Western Division

**Table E-1.—Carlot Inspections by Points, Crop Year 1958-59, compared with 1957-58**

	1958-59	1957-58	1958-59	1957-58
			percent of total	
Fort William.....	144,666	—	53.8	—
Winnipeg.....	11,231	168,613	4.2	56.7
Churchill.....	10,712	9,942	4.0	3.4
Moose Jaw.....	3,547	3,897	1.3	1.3
Saskatoon.....	8,337	8,071	3.1	2.7
Calgary.....	4,864	57,542	1.8	19.4
Edmonton.....	3,108	46,080	1.2	15.5
Medicine Hat.....	1,981	1,958	0.7	0.7
Lethbridge.....	281	385	0.1	0.1
Prince Rupert.....	3,863	—	1.4	—
Vancouver.....	76,244	649	28.4	0.2
<b>Totals.....</b>	<b>268,834</b>	<b>297,137</b>	<b>100.0</b>	<b>100.0</b>

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**Table E-2.—Carlot Inspections, Crop Year 1958-59**

Grade	Carlots	Percentage	Percentage of Total Wheat Inspections
<b>WHEAT</b>			
1 Manitoba Northern.....	3,307	1.9	—
2 Manitoba Northern.....	58,876	33.5	—
3 Manitoba Northern.....	50,823	28.9	—
4 Manitoba Northern.....	29,089	16.5	—
No. 4 Special.....	113	0.1	—
No. 5.....	12,382	7.0	—
No. 5 Special.....	16	*	—
No. 6.....	1,424	0.8	—
No. 6 Special.....	4	*	—
Feed.....	66	*	—
Tough.....	14,373	8.2	—
Damp.....	933	0.5	—
Smutty.....	99	0.1	—
Rejected.....	4,141	2.4	—
Sample.....	120	0.1	—
Condemned.....	3	*	—
Broken Red Spring.....	12	*	—
<b>Total Red Spring Wheat.....</b>	<b>175,781</b>	<b>100.0</b>	<b>95.2</b>
3 Canada Western Garnet.....	3	75.0	—
Tough Canada Western Garnet.....	1	25.0	—
<b>Total Garnet Wheat.....</b>	<b>4</b>	<b>100.0</b>	<b>*</b>
1 Canada Western Amber Durum.....	29	0.3	—
2 Canada Western Amber Durum.....	2,055	24.6	—
3 Canada Western Amber Durum.....	1,968	23.6	—
Extra 4 Canada Western Amber Durum.....	1,812	21.7	—
4 Canada Western Amber Durum.....	1,882	22.5	—
5 Canada Western Amber Durum.....	283	3.4	—
6 Canada Western Amber Durum.....	12	0.1	—
Tough Canada Western Amber Durum.....	65	0.8	—
Damp Canada Western Amber Durum.....	6	0.1	—
Smutty Canada Western Amber Durum.....	1	*	—
Rejected Canada Western Amber Durum.....	231	2.8	—
Sample Canada Western Amber Durum.....	7	0.1	—
<b>Total Amber Durum Wheat.....</b>	<b>8,351</b>	<b>100.0</b>	<b>4.5</b>
1 Canada Western Soft White Spring.....	1	0.4	—
2 Canada Western Soft White Spring.....	195	71.7	—
3 Canada Western Soft White Spring.....	66	24.2	—
4 Canada Western Soft White Spring.....	2	0.7	—
Tough Canada Western Soft White Spring.....	—	—	—
Damp Canada Western Soft White Spring.....	1	0.4	—
Rejected Canada Western Soft White Spring.....	4	1.5	—
Sample Canada Western Soft White Spring.....	3	1.1	—
<b>Total Soft White Spring Wheat.....</b>	<b>272</b>	<b>100.0</b>	<b>0.2</b>
1 Canada Western Mixed Wheat.....	2	2.2	—
2 Canada Western Mixed Wheat.....	3	3.4	—
3 Canada Western Mixed Wheat.....	53	59.6	—
4 Canada Western Mixed Wheat.....	14	15.7	—
5 Canada Western Mixed Wheat.....	4	4.5	—
6 Canada Western Mixed Wheat.....	4	4.5	—
Rejected Canada Western Mixed Wheat.....	7	7.9	—
Tough Canada Western Mixed Wheat.....	2	2.2	—
<b>Total Mixed Wheat.....</b>	<b>89</b>	<b>100.0</b>	<b>*</b>

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Table E-2.—Carlot Inspections, Crop Year 1958-59—Continued

Grade	Carlots	Percentage	Percentage of Total Wheat Inspections
WHEAT—Concluded			
1 Alberta Red Winter.....	59	23.8	—
2 Alberta Winter.....	161	64.9	—
3 Alberta Winter.....	17	6.9	—
4 Alberta Winter.....	1	0.4	—
Smutty Alberta Winter.....	2	0.8	—
Rejected Alberta Winter.....	8	3.2	—
Total Alberta Winter Wheat.....	248	100.0	0.1
Total All Wheats.....	184,745	—	100.0

Grade	Carlots	Percentage
OATS		
2 Canada Western.....	21	0.1
Extra 3 Canada Western.....	180	1.2
3 Canada Western.....	1,576	10.5
Extra 1 Feed.....	3,044	20.2
1 Feed.....	9,417	62.5
2 Feed.....	285	1.9
3 Feed.....	53	0.3
Mixed Feed Oats.....	121	0.8
Tough Oats.....	221	1.5
Damp Oats.....	2	*
Rejected Oats.....	59	0.4
Sample Oats.....	71	0.5
No. 2 Mixed Feed Oats.....	8	0.1
Total Oats.....	15,058	100.0

BARLEY		
1 Canada Western Six Row.....	148	0.3
2 Canada Western Six Row.....	4,865	9.9
3 Canada Western Six Row.....	7,899	16.0
4 Canada Western Six Row.....	2,147	4.4
1 Canada Western Two Row.....	63	0.1
2 Canada Western Two Row.....	1,460	3.0
3 Canada Western Two Row.....	4,986	10.1
1 Feed.....	18,065	36.6
2 Feed.....	4,458	9.0
3 Feed.....	437	0.9
Tough.....	3,678	7.5
Damp.....	466	0.9
Rejected.....	607	1.2
Sample.....	36	0.1
Condemned Barley.....	3	*
Total Barley.....	49,318	100.0

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**Table E-2.—Carlot Inspections, Crop Year 1958-59—Continued**

Grade	Carlots	Percentage
RYE		
1 Canada Western.....	11	0.5
2 Canada Western.....	1,297	54.9
3 Canada Western.....	809	34.3
4 Canada Western.....	114	4.8
Ergoty.....	51	2.2
Tough.....	66	2.8
Damp.....	2	0.1
Rejected.....	7	0.3
Ergot and Other Grains.....	3	0.1
<b>Total Rye.....</b>	<b>2,360</b>	<b>100.0</b>
FLAXSEED		
1 Canada Western.....	9,096	89.0
2 Canada Western.....	589	5.7
3 Canada Western.....	84	0.8
4 Canada Western.....	7	0.1
Rejected.....	38	0.4
Sample.....	30	0.3
Tough.....	363	3.5
Damp.....	16	0.2
<b>Total Flaxseed.....</b>	<b>10,223</b>	<b>100.0</b>
MIXED GRAIN		
1 Canada Western.....	15	10.9
2 Canada Western.....	8	5.8
3 Canada Western.....	66	47.8
4 Canada Western.....	2	1.5
Rejected.....	13	9.4
Sample.....	26	18.8
Tough.....	7	5.1
Damp.....	1	0.7
<b>Total Mixed Grain.....</b>	<b>138</b>	<b>100.0</b>
CORN		
1 Canada Western Yellow.....	2	1.4
2 Canada Western Yellow.....	25	17.7
3 Canada Western Yellow.....	18	12.8
4 Canada Western Yellow.....	6	4.3
Tough.....	2	1.4
Sample.....	1	0.7
U.S.A. Origin.....	86	61.0
Others.....	1	0.7
<b>Total Corn.....</b>	<b>141</b>	<b>100.0</b>



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Table E-2.—Carlot Inspections, Crop Year 1958-59—Continued

Grade	Carlots	Percentage
MUSTARD SEED		
Extra 1 Canada Western Yellow.....	2	0.3
1 Canada Western Yellow.....	10	1.5
2 Canada Western Yellow.....	49	7.3
3 Canada Western Yellow.....	3	0.4
1 Canada Western Oriental.....	365	54.4
2 Canada Western Oriental.....	1	0.2
1 Canada Western Brown.....	186	27.7
2 Canada Western Brown.....	7	1.0
Sample Canada Western Yellow.....	1	0.2
Others.....	47	7.0
<b>Total Mustard Seed.....</b>	<b>671</b>	<b>100.0</b>
RAPESEED		
Canada.....	4,268	82.2
2 Canada.....	16	0.3
3 Canada.....	1	*
Sample Canada.....	5	0.1
Tough.....	877	16.9
Damp.....	27	0.5
<b>Total Rapeseed.....</b>	<b>5,194</b>	<b>100.0</b>
SCREENINGS		
1 Feed.....	92	17.2
2 Feed.....	11	2.0
Uncleaned.....	69	12.9
Refuse.....	292	54.5
Sample.....	72	13.4
<b>Total Screenings.....</b>	<b>536</b>	<b>100.0</b>
Sunflower Seed.....	5	—
Buckwheat.....	36	—
Peas.....	163	—
Sample Grain.....	53	—
Safflower Seed.....	173	—
U.S. Safflower Seed.....	16	—
Sample Feed Grain.....	3	—
Condemned Grain.....	1	—
<b>Grand Total.....</b>	<b>268,834</b>	<b>—</b>

\*Less than 0.05%.

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**Table E-3.—Carlots of Tough, Damp and Straight Grain Inspected Crop Year 1958-59**

Grain	Tough	Damp	Tough and Damp	Straight	Total
Wheat.....	14,441	940	15,381	169,364	184,745
Oats.....	221	2	223	14,835	15,058
Barley.....	3,678	466	4,144	45,174	49,318
Rye.....	66	2	68	2,292	2,360
Flaxseed.....	363	16	379	9,844	10,223
Others.....	886	28	914	6,216	7,130
<b>All Grains.....</b>	<b>19,655</b>	<b>1,454</b>	<b>21,109</b>	<b>247,725</b>	<b>268,834</b>
PERCENTAGE OF TOTAL					
	%	%	%	%	%
Wheat.....	7.8	0.5	8.3	91.7	100.0
Oats.....	1.5	*	1.5	98.5	100.0
Barley.....	7.5	0.9	8.4	91.6	100.0
Rye.....	2.8	0.1	2.9	97.1	100.0
Flaxseed.....	3.5	0.2	3.7	96.3	100.0
Others.....	12.4	0.4	12.8	87.2	100.0
<b>All Grains.....</b>	<b>7.3</b>	<b>0.6</b>	<b>7.9</b>	<b>92.1</b>	<b>100.0</b>

\*Less than 0.05%.

**Table E-4.—Number of Two-Pound Samples “Subject to Grade and Dockage” Inspected Crop Year 1958-59 Compared with Crop Year 1957-58**

Point	1958-59	1957-58
	Number of Samples	
Winnipeg.....	9,981	15,036
Calgary.....	1,258	1,754
Edmonton.....	1,275	1,633
Moose Jaw.....	126	386
Saskatoon.....	512	1,047
Lethbridge.....	465	550
Medicine Hat.....	10	21
<b>Totals.....</b>	<b>13,627</b>	<b>20,427</b>

**Table E-5.—Carlots Re-inspected, Crop Year 1958-59**

Point	In-spected	Re-in-spected	Un-changed	Grades Raised	Grades Lowered	Dockage Raised	Dockage Lowered
Fort William.....	144,666	8,824	7,758	801	240	10	15
Winnipeg.....	11,231	539	387	113	34	—	5
Churchill.....	10,712	—	—	—	—	—	—
Moose Jaw.....	3,547	203	181	18	4	—	—
Saskatoon.....	8,337	229	180	49	—	—	—
Calgary.....	4,864	119	84	32	1	—	2
Edmonton.....	3,108	69	56	6	3	1	3
Medicine Hat.....	1,981	116	85	22	9	—	—
Lethbridge.....	281	—	—	—	—	—	—
Prince Rupert.....	3,863	455	443	10	2	—	—
Vancouver.....	76,244	3,896	3,319	548	14	1	14
<b>Totals.....</b>	<b>268,834</b>	<b>14, 50</b>	<b>12,493</b>	<b>1,599</b>	<b>307</b>	<b>12</b>	<b>39</b>

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Table E-5.—Carlots Re-inspected, Crop Year 1958-59—Concluded

Point	In- spected	Re-in- spected	Un- changed	Grades Raised	Grades Lowered	Dockage Raised	Dockage Lowered
		Percentage of Re-inspections					
	%	%	%	%	%	%	%
Fort William.....	—	100.0	87.9	9.1	2.7	0.1	0.2
Winnipeg.....	—	100.0	71.8	21.0	6.3	—	0.9
Churchill.....	—	100.0	—	—	—	—	—
Moose Jaw.....	—	100.0	89.1	8.9	2.0	—	—
Saskatoon.....	—	100.0	78.6	21.4	—	—	—
Calgary.....	—	100.0	70.6	26.9	0.8	—	1.7
Edmonton.....	—	100.0	81.2	8.7	4.3	1.5	4.3
Medicine Hat.....	—	100.0	73.3	19.0	7.7	—	—
Lethbridge.....	—	100.0	—	—	—	—	—
Prince Rupert.....	—	100.0	97.4	2.2	0.4	—	—
Vancouver.....	—	100.0	85.2	14.0	0.4	*	0.4
Totals.....	—	100.0	86.4	11.1	2.1	0.1	0.3

\*Less than 0.05%.

Table E-6.—Summary of Carlot Inspections Appealed, Crop Year 1958-59

Item	Winnipeg		Edmonton		Calgary		Total	
	Cars	Percent	Cars	Percent	Cars	Percent	Cars	Percent
Left as graded.....	460	91.3	291	86.3	511	87.2	1,262	88.4
Grades raised.....	35	6.9	44	13.1	68	11.6	147	10.3
Grades lowered.....	9	1.8	2	0.6	7	1.2	18	1.3
Totals.....	504	100.0	337	100.0	586	100.0	1,427	100.0
Total Cars Inspected.....							268,834	100.00
Total Appeals.....							1,427	0.53
Total Grades Changed.....							165	0.06

Table E-7.—Vessel Shipments Inspected, Crop Year 1958-59

Grain	Fort William and Port Arthur	Vancouver	Victoria	Prince Rupert	Churchill	Total
	bu.	bu.	bu.	bu.	bu.	bu.
Wheat.....	180,100,995	105,006,986	1,384,282	—	18,230,655	304,722,918
Oats.....	30,812,157	3,720,336	—	—	320,005	34,852,498
Barley.....	53,671,718	28,193,011	—	8,827,466	—	90,692,195
Rye.....	4,392,447	260,881	—	—	—	4,653,328
Flaxseed.....	9,307,681	6,036,267	680,764	—	—	16,024,712
Buckwheat.....	49,938	—	—	—	—	49,938
*Sample Grain.....	137,067	—	—	—	—	137,067
*Screenings.....	2,568,373	66,035	—	1,600	190,800	2,826,808
*Canada Rapeseed.....	—	4,102,578	395,718	—	—	4,498,296
*Mustard Seed.....	—	900,643	—	—	—	900,643
**Safflower Seed.....	—	354,276	—	—	—	354,276
**Safflower Seed (U.S.A. origin).....	—	48,918	—	—	—	48,918
Totals.....	281,040,376	148,689,931	2,460,764	8,829,066	18,741,460	459,761,597

\*In bushels of 50 pounds.

\*\*In bushels of 45 pounds.

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**Table E-8.—Carlot Shipments ex Terminal Elevators Inspected, Crop Year 1958-59**

Grain	Winnipeg	Fort William and Port Arthur	Calgary	Edmonton	Moose Jaw
Wheat.....	383	1,208	140	89	72
Oats.....	290	1,701	19	82	65
Oats Groats.....	—	4	—	—	—
Barley.....	340	2,555	967	30	9
Flax.....	19	707	5	29	8
Rye.....	—	50	—	—	—
Mixed Grain.....	24	—	1	—	2
Corn.....	11	—	—	—	—
Buckwheat.....	2	4	—	—	—
Peas.....	78	—	—	—	—
Screenings.....	430	3,583	201	152	130
Rapeseed.....	86	28	183	1,006	460
Sample Grain.....	—	74	—	—	—
Mustard Seed.....	—	—	—	—	—
<b>Totals.....</b>	<b>1,663</b>	<b>9,914</b>	<b>1,516</b>	<b>1,388</b>	<b>746</b>
Grain	Saskatoon	Lethbridge	Medicine Hat	Vancouver, Victoria and Prince Rupert	Churchill
Wheat.....	693	3	—	613	—
Oats.....	113	—	—	377	—
Barley.....	7	3	—	197	—
Flax.....	—	30	49	4	—
Rye.....	—	—	—	8	—
Mixed Grain.....	1	—	—	8	—
Corn.....	—	—	—	—	—
Buckwheat.....	—	—	—	—	—
Peas.....	—	—	—	—	—
Screenings.....	624	3	—	1,464	—
Rapeseed.....	745	—	—	—	—
Mustard Seed.....	—	22	—	—	—
<b>Totals.....</b>	<b>2,183</b>	<b>61</b>	<b>49</b>	<b>2,671</b>	<b>—</b>

**Eastern Division**

**Table E-9.—Carlot Inspections Eastern Grain, Crop Year 1958-59, by Grains and Points**

Grain	Montreal	Toronto	Chatham	Total
Wheat.....	2	542	2,215	2,759
Oats.....	3	—	20	23
Barley.....	—	4	182	186
Rye.....	—	2	55	57
Buckwheat.....	1	1	8	10
Corn.....	—	—	920	920
Beans.....	—	—	159	159
Soybeans.....	—	116	1,572	1,688
<b>Totals.....</b>	<b>6</b>	<b>665</b>	<b>5,131</b>	<b>5,802</b>



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Table E-10.—Carlot Inspections Eastern Grain, Crop Year 1958-59, by Grains, Grades and Points

Grade	Montreal	Toronto	Chatham	Total
WHEAT				
1 Canada Eastern White Winter.....	1	151	406	558
2 Canada Eastern White Winter.....	1	287	984	1,272
3 Canada Eastern White Winter.....	—	48	119	167
4 Canada Eastern White Winter.....	—	2	20	22
5 Canada Eastern White Winter.....	—	—	18	18
1 Canada Eastern Mixed Winter.....	—	8	44	52
2 Canada Eastern Mixed Winter.....	—	4	46	50
3 Canada Eastern Mixed Winter.....	—	—	1	1
6 Canada Eastern Winter.....	—	—	19	19
Tough.....	—	17	441	458
Smutty.....	—	14	7	21
Weevilly.....	—	10	76	86
Sample.....	—	1	31	32
Condemned.....	—	—	3	3
Totals, Wheat.....	2	542	2,215	2,759
OATS				
2 Canada Eastern White.....	—	—	1	1
3 Canada Eastern.....	1	—	5	6
4 Canada Eastern.....	1	—	10	11
Tough.....	1	—	3	4
Sample.....	—	—	1	1
Totals, Oats.....	3	—	20	23
BARLEY				
2 Canada Eastern Six Row.....	—	—	6	6
3 Canada Eastern Six Row.....	—	—	123	123
4 Canada Eastern.....	—	1	51	52
5 Canada Eastern.....	—	2	1	3
Tough.....	—	—	1	1
Condemned.....	—	1	—	1
Totals, Barley.....	—	4	182	186
RYE				
2 Canada Eastern.....	—	1	36	37
3 Canada Eastern.....	—	1	7	8
4 Canada Eastern.....	—	—	4	4
Tough.....	—	—	7	7
Sample.....	—	—	1	1
Totals, Rye.....	—	2	55	57
BUCKWHEAT				
Tough.....	—	1	4	5
Damp.....	1	—	4	5
Totals, Buckwheat.....	1	1	8	10

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**Table E-10.—Carlot Inspections Eastern Grain, Crop Year 1958-59, by Grains,  
Grades and Points—Concluded**

Grade	Montreal	Toronto	Chatham	Total
<b>CORN</b>				
Extra Dry 1 Canada Eastern Yellow.....	—	—	157	157
1 Canada Eastern Yellow.....	—	—	206	206
Extra Dry 2 Canada Eastern Yellow.....	—	—	78	78
2 Canada Eastern Yellow.....	—	—	201	201
Extra Dry 3 Canada Eastern Yellow.....	—	—	14	14
3 Canada Eastern Yellow.....	—	—	20	20
Extra Dry 4 Canada Eastern Yellow.....	—	—	4	4
4 Canada Eastern Yellow.....	—	—	6	6
5 Canada Eastern Yellow.....	—	—	1	1
Tough.....	—	—	111	111
Damp.....	—	—	17	17
Moist.....	—	—	97	97
Wet.....	—	—	6	6
Sample.....	—	—	2	2
<b>Totals, Corn.....</b>	<b>—</b>	<b>—</b>	<b>920</b>	<b>920</b>
<b>BEANS</b>				
1 Canada Eastern Pea.....	—	—	26	26
2 Canada Eastern Pea.....	—	—	48	48
3 Canada Eastern Pea.....	—	—	8	8
3 Canada Eastern Yellow Eye.....	—	—	2	2
Tough.....	—	—	67	67
Damp.....	—	—	8	8
<b>Totals, Beans.....</b>	<b>—</b>	<b>—</b>	<b>159</b>	<b>159</b>
<b>SOYBEANS</b>				
1 Canada Yellow.....	—	25	1,048	1,073
2 Canada Yellow.....	—	80	273	353
3 Canada Yellow.....	—	2	23	25
4 Canada Yellow.....	—	—	3	3
Tough.....	—	9	192	201
Damp.....	—	—	30	30
Moist.....	—	—	1	1
Sample.....	—	—	1	1
Condemned.....	—	—	1	1
<b>Totals, Soybeans.....</b>	<b>—</b>	<b>116</b>	<b>1,572</b>	<b>1,688</b>
<b>Totals, All Grains.....</b>	<b>6</b>	<b>665</b>	<b>5,131</b>	<b>5,802</b>

**Table E-11.—Cargo Inspections, Eastern Grain, Crop Year 1958-59**

Grain	St. John and Halifax	Montreal	Toronto	Chatham	Total
Wheat.....	bu. —	bu. 233,187	bu. 317,737	bu. 2,461,200	bu. 3,012,124
Oats.....	—	183,105	—	—	183,105
Corn.....	—	—	—	404,106	404,106
Soybeans.....	—	109,582	135,836	2,770,214	3,015,632
<b>Totals.....</b>	<b>—</b>	<b>525,874</b>	<b>453,573</b>	<b>5,635,520</b>	<b>6,614,967</b>

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Table E-11A.—Cargo Inspections, Western Grain, Crop Year 1958-59

Grain	St. John and Halifax	Montreal	Toronto	Chatham	Total
Buckwheat.....	bu. —	bu. 47,122	bu. —	bu. —	bu. 47,122
Flaxseed.....	1,261,192	638,497	—	—	1,899,689
Rapeseed.....	701,024	471,101	—	—	1,172,125
Peas.....	91,000	74,430	—	—	165,430
Mustard Seed.....	—	4,982	—	—	4,982
<b>Totals.....</b>	<b>2,053,216</b>	<b>1,236,132</b>	<b>—</b>	<b>—</b>	<b>3,289,348</b>

Table E-11B.—Cargo Inspections, U.S. Grain, Crop Year 1958-59

Grain	St. John and Halifax	Montreal	Toronto	Chatham	Total
Flaxseed.....	bu. —	bu. 245,001	bu. —	bu. —	bu. 245,001

Table E-12.—Inspections, Eastern Grain in Bins, Trucks or Warehouses,  
Crop Year 1958-59

Grain	Montreal	Toronto	Chatham	Total
Wheat.....	bu. 12,133	bu. —	bu. 38,830	bu. 50,963
Oats.....	385,456	—	—	385,456
Barley.....	—	—	212	212
Corn.....	—	—	3,696	3,696
Beans.....	—	—	173,459	173,459
Soybeans.....	—	—	9,910	9,910
<b>Totals.....</b>	<b>397,589</b>	<b>—</b>	<b>226,107</b>	<b>623,696</b>

Table E-12A.—Inspections, Western Grain in Bins, Trucks or Warehouses,  
Crop Year 1958-59

Grain	Montreal	Toronto	Chatham	Total
Mixed Grain.....	bu. 5,041	bu. —	bu. —	bu. 5,041
Peas.....	5,800	—	—	5,800
<b>Totals.....</b>	<b>10,841</b>	<b>—</b>	<b>—</b>	<b>10,841</b>

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**Table E-13.—Inward and Export Cargoes Sampled and Grade Checked,  
Crop Year 1958-59**

	Montreal	Sorel	Three Rivers	Quebec	Halifax and St. John	Total
	bu.	bu.	bu.	bu.	bu.	bu.
<b>EASTERN GRAIN</b>						
Inward.....	5,128,254	—	81,778	—	—	5,210,032
Export.....	5,190,711	37,362	441,384	—	382,778	6,052,235
<b>WESTERN GRAIN</b>						
Inward.....	52,142,364	525,324	316,669	—	—	52,984,357
Export.....	57,708,771	20,650,069	17,769,363	11,710,206	29,581,538	137,419,947
<b>U.S. GRAIN</b>						
Inward.....	8,575,491	—	—	—	—	8,575,491
Export.....	8,307,286	98,000	—	—	—	8,405,286
<b>SOUTH AFRICAN GRAIN</b>						
Inward.....	970,715	—	—	—	—	970,715
Export.....	—	—	—	—	—	—
<b>Totals.....</b>	<b>138,023,592</b>	<b>21,310,755</b>	<b>18,609,194</b>	<b>11,710,206</b>	<b>29,964,316</b>	<b>219,618,063</b>

**Table E-14.—Grain Sampled but not Inspected, Crop Year 1958-59**

	Montreal	Toronto and Chatham	Sorel, Three Rivers and Quebec	Halifax and St. John	Total
<b>EASTERN GRAIN</b>					
Carlots.....	4	—	—	—	4
Inward Cargoes (bu.).....	—	—	—	—	—
Outward Cargoes (bu.).....	62,707	—	—	—	62,707
Bin Lots (bu.).....	352,091	—	145,426	—	497,517
<b>WESTERN GRAIN</b>					
Carlots.....	169	1	4	—	174
Inward Cargoes (bu.).....	370,335	—	208,635	—	578,970
Outward Cargoes (bu.).....	5,442,892	—	4,310,760	1,661,416	11,415,068
Bin Lots (bu.).....	656,941	—	314,560	4,674	976,175
<b>U.S.A. GRAIN</b>					
Carlots.....	101	—	—	—	101
Inward Cargoes (bu.).....	1,591,664	—	—	—	1,591,664
Outward Cargoes (bu.).....	252,279	—	—	—	252,279
Bin Lots (bu.).....	313,249	—	—	—	313,249
<b>SOUTH AFRICAN GRAIN</b>					
Carlots.....	34	—	—	—	34
Inward Cargoes (bu.).....	202,511	—	—	—	202,511
Bin Lots (bu.).....	35,556	—	—	—	35,556
<b>Totals—Cars.....</b>	<b>308</b>	<b>1</b>	<b>4</b>	<b>—</b>	<b>313</b>
<b>—Bushels.....</b>	<b>9,280,225</b>	<b>—</b>	<b>4,979,381</b>	<b>1,666,090</b>	<b>15,925,696</b>



## APPENDIX F

### Grain Weighing Branch

J. J. MANSON, Chief Grain Weighman

*Under the provisions of Sections 33 and 124 of the Canada Grain Act, all grain received into and shipped from licensed terminal elevators is weighed under supervision of the Board's weighing staffs. Weighing services are also provided at licensed mill elevators.*

During the Crop Year 1958-59 weighing services were provided at forty-five semi-public and private terminal elevators and when required, at twenty-nine mill elevators in the Western Division.

All scales and the equipment for transferring grain to scales on receipt and from scales for shipment in all licensed terminal elevators and serviced mill elevators were regularly inspected during the crop year under provision of Section 92 of the Act.

In accordance with the special arrangement with the Standards Branch of the Department of Trade and Commerce, all scales in licensed terminal and eastern elevators were inspected, verified and stamped by the Board's Scale Inspector acting as an inspector under the Weights and Measures Act. A semi-annual inspection was also made of all scales at terminal elevators to ascertain if scales were maintaining their accuracy. Special inspections were made when any doubt arose as to the accuracy of any scale.

Attention has been given to alterations in elevators and dust control installations to ensure that such changes and installations do not affect the accuracy of the weighing of grain received at or shipped from these elevators.

During the crop year under review, 273,651 carlots of grain were weighed on receipt at terminal and mill elevators in the Western Division and of these carlots 51,322 or 18.7% were reported leaking and 5,755 or 2.1% were without seals or had defective seals. There was also a total of 21,125 cars weighed out of terminals.

The Branch maintained a close checking of reported outturns at eastern elevators of cargoes loaded at Lakehead terminals, and investigations were made in cases of reported excessive shortages with a view to assessing the liability where such could be established.

Under provisions of Sections 139 and 140 of the Canada Grain Act, weighovers were conducted at thirty terminal elevators and twenty-six eastern elevators. Results of weighovers were submitted to the Board for comparison with outstanding warehouse receipts and preparation of official statements. The Board found it necessary to defer several terminal and eastern elevator audits due to heavy grain stocks in store.

BOARD OF GRAIN COMMISSIONERS

Table F-1.—Gross Quantities of all Grains Weighed at Terminal Elevators in the Western Division during 1958-59 Crop Year

Point	Wheat	Oats	Barley	Rye	Flaxseed	Canadian Corn	Canadian Buckwheat	Miscellaneous
	bu.	bu.	bu.	bu.	bu.	bu.	bu.	lbs.
RECEIPTS								
Fort William-Port Arthur.....	186,042,190	33,789,328	61,564,180	4,209,656	10,775,056	—	59,785	45,527,820
Vancouver-New Westminster.....	107,104,892	4,363,929	29,576,912	266,495	6,655,844	—	—	283,760,819
Victoria.....	1,293,244	345	7,560	271	779,632	—	—	19,659,820
Prince Rupert.....	—	—	9,201,152	—	—	—	—	—
Churchill.....	19,842,585	—	—	—	278	—	—	—
Calgary.....	1,997,604	9,094	7,820,324	—	39,490	—	—	20,887,840
Edmonton.....	5,003,429	383,768	247,008	—	8,182	60,475	—	102,457,700
Lethbridge.....	24,484	—	24,271	—	302,118	—	—	3,520,880
Moose Jaw.....	60,393	—	—	—	—	—	—	51,647,800
Saskatoon.....	12,616,605	277,491	—	—	—	—	—	80,854,910
North Transcona.....	455,630	53,866	41,756	—	3,466	—	—	278,355
Total Receipts.....	334,441,056	38,877,821	108,483,163	4,476,422	18,564,066	60,475	59,785	608,595,944
SHIPMENTS								
Fort William-Port Arthur.....	180,509,194	35,384,321	64,141,513	4,520,721	10,675,684	—	58,516	379,068,050
Vancouver-New Westminster.....	106,308,721	5,061,503	28,351,350	335,710	6,041,691	—	—	503,125,390
Victoria.....	1,408,632	34,000	7,833	—	680,765	—	—	27,877,920
Prince Rupert.....	—	—	8,827,467	—	—	—	—	8,135,800
Churchill.....	18,409,323	320,006	—	—	—	—	—	9,540,000
Calgary.....	1,326,424	19,985	8,287,239	—	39,490	—	—	20,913,100
Edmonton.....	701,001	407,134	234,019	—	8,182	45,482	—	103,514,410
Lethbridge.....	24,159	670	24,271	—	285,404	—	—	2,458,810
Moose Jaw.....	60,393	—	—	—	—	—	—	51,325,390
Saskatoon.....	4,842,079	75,799	—	—	—	—	—	89,080,020
North Transcona.....	59,045	41,637	35,491	—	3,466	—	—	1,062,200
Total Shipments.....	313,648,971	41,345,055	109,909,183	4,856,431	17,734,682	45,482	58,516	1,196,101,090

TRADE AND COMMERCE

**Table F-2.—Number of Cars Leaking and Cars with Missing Seals at the Lakehead, at Other Points and at Winnipeg Yards, by Railways, for the Crop Year 1958-59**

Destination	Cars Leaking		Missing Seals	
	C.N.R.	C.P.R.	C.N.R.	C.P.R.
Lakehead Elevators and Yards.....	18,943	15,953	1,851	1,811
Other Points.....	7,469	8,957	1,203	890
<b>Totals.....</b>	<b>26,412</b>	<b>24,910</b>	<b>3,054</b>	<b>2,701</b>
<b>Totals—Both Railways.....</b>	<b>51,322</b>		<b>5,755</b>	
Winnipeg Yards.....	704	542	432	455

**Table F-3.—Number of Cars Weighed at all Points and Percentage of such Cars found Leaking or with Defective Seals, Crop Years 1957-58 and 1958-59**

	Number		Percentage of Total	
	1958-59	1957-58	1958-59	1957-58
Cars Weighed In.....	273,651	299,976	100.0	100.0
Inward Cars Leaking.....	51,322	52,785	18.7	17.6
Inward Cars with Missing or Defective Seals.....	5,755	5,787	2.1	1.9
Cars Weighed Out.....	21,125	21,806	—	—

**Table F-4.—Average Reported Outturn Shortages on Vessel Shipments of Grain from Fort William-Port Arthur to Canadian and United States Ports during the 1958-59 Crop Year**

Grain	Bushels Shipped	Shortage in Pounds per 1,000 Bushels	
		1958-59	1957-58
CANADIAN PORTS			
Wheat.....	154,577,288	30.49	31.43
Durum Wheat.....	15,112,307	35.18	28.28
Oats.....	31,036,252	23.07	22.97
Barley.....	40,186,118	27.44	24.11
Rye.....	1,436,667	55.45	13.55
Flaxseed.....	7,934,443	33.65	26.59
Buckwheat.....	49,939	24.00	30.26
Mixed Grain (in lbs.).....	—	—	1.47 lbs. per 1,000 lbs.
Sample Grain (in lbs.).....	7,817,070	.49 lbs. per 1,000 lbs.	.55 lbs. per 1,000 lbs.
Screenings (in tons).....	38,516	1.29 lbs. per ton	1.39 lbs. per ton
UNITED STATES PORTS			
Wheat.....	3,692,312	77.02	82.47
Durum Wheat.....	—	—	55.91
Oats.....	195,458	23.17	50.11
Barley.....	9,086,693	49.63	39.83
Rye.....	2,955,781	77.46	48.21
Flaxseed.....	—	—	—
Buckwheat.....	—	—	—
Screenings (in tons).....	25,893	—	—
TOTAL CANADIAN AND UNITED STATES PORTS			
Wheat.....	158,269,600	31.58	33.55
Durum Wheat.....	15,112,307	35.18	28.35
Oats.....	31,231,710	23.17	30.92
Barley.....	49,272,811	31.53	28.63
Rye.....	4,392,448	70.28	37.96
Flaxseed.....	7,934,443	33.65	26.59
Buckwheat.....	49,939	24.00	30.26
Mixed Grain (in lbs.).....	—	—	1.47 lbs. per 1,000 lbs.
Sample Grain (in lbs.).....	7,817,070	.49 lbs. per 1,000 lbs.	.55 lbs. per 1,000 lbs.
Screenings (in tons).....	64,409	.76 lbs. per ton	.77 lbs. per ton

## APPENDIX G

### The Grain Research Laboratory

J. ANSEL ANDERSON, Chief Chemist

*Section 22 of the Canada Grain Act requires that "The Board shall maintain an efficient and adequately equipped laboratory for research work in relation to grain."*

The work of the Grain Research Laboratory for 1959 is summarized in the following report. It deals with the quality of Canadian grain marketed during the 1958-59 crop year, the estimated quality of 1959 grain crops, and with research and other activities.

#### Quality of Grain Marketed in 1958-59

Studies of the qualities of spring wheat, durum wheat, barley, oil seeds, and other grains, at various stages of marketing, were continued throughout the 1958-59 crop year, and the data obtained from these studies will be reported as tables and maps in the Laboratory's 1959 annual report. Although the 1958 spring wheat crop was one of the smallest harvested in the last 10 years, it was low in moisture, high in grade, and high in protein. As there was a large percentage of high-protein wheat in the carryover from the previous crop year, the effect of another crop of higher than average protein content showed to advantage in wheat exported early in the new crop year.

Spring wheat marketed in 1958-59 was high in bushel weight and flour yield, and average protein levels of all grades were appreciably higher than in 1957-58. Baking strength was also higher in 1958-59, and supporting value was very good. Baking absorption was high, gassing power was satisfactory, and doughs were lively and extensible. Durum wheat was also high in bushel weight and protein, and excellent in macaroni-making quality. Throughout the crop year, cargo shipments, grade for grade, were quite uniform in bushel weight, rheological properties, and macaroni quality. Malting barley was high in grade with malting quality about the same as in 1957-58. The flax and rapeseed crops were much the same in average qualities as in the previous crop year.

#### Estimated Quality of 1959 Crops

A wet September followed by heavy falls of snow across the prairies in October and November prevented completion of the 1959 harvest, and a considerable volume of swathed and uncut grain will remain in the field all winter. It was estimated on December 4 that 13% of the wheat crop, 12% of the barley crop, and 19% of the flax crop remained unthreshed. Estimates of production for 1959 Western crops are: wheat, 399 million bushels (including 15 million of durum); barley, 219 million bushels; flax, 21 million bushels; and rapeseed, 180 million pounds.

A considerable volume of tough and damp grain has been harvested, and drying on farms is extensive. Farmers and elevator agents are making good use of the free service offered by the Laboratory for testing the quality of dried grain. The Laboratory is also collaborating with the Inspection Branch in testing the quality of carlot shipments from areas in which country drying is in progress.



The Hard Red Spring wheat crop is high in protein (average 14.2%) baking strength and supporting value. Despite a reduction in bushel weight the Northern grades mill very well and give good yields of flour of satisfactory colour and ash. Baking absorption and gassing power are both at satisfactory levels, and doughs handle exceedingly well. About 85% of the crop is expected to enter the Northern grades, but there will be very little No. 1 Northern. As Western Canada has now harvested its third successive high-protein crop, there will be ample supplies of high-protein wheat for sale throughout the crop year.

The Amber Durum wheat crop is high in protein but down in bushel weight. The wheat is vitreous and mills very well; yellow pigment is high, dough properties are very good, and macaroni quality is excellent. There is very little 1 C.W., and it is expected that there will be about 25% of 2 C.W., about 50% of 3 C.W., and about 7% each of Extra No. 4 and 4 C.W. As increasing amounts of new durum wheat enter export channels, there will be a rise in protein and in percentage of vitreous kernels; macaroni colour may improve and dough properties can be expected to be somewhat better.

Malting quality of the barley crop is about the same as that of last year's crop. Yields of plump barley are similar for the two crops for 2 and 3 C.W. Six-row and 2 C.W. Two-row, but this year's 3 C.W. Two-row reflects drought conditions. Malt extract, wort nitrogen, and enzymatic activity for all grades except 3 C.W. Two-row are similar in both years. Two-row grades are lower in enzymatic activity than the Six-row grades. During the first two months of the crop year, 43% of the carlots of barley unloaded at terminal elevators were Six-row grades, 9% were Two-row grades, and 40% were Feed grades.

The flax and rapeseed crops are slightly better in average qualities than last year's crops. Average results for the flax crop show that oil content is 41.5%, iodine value is 188 units, and protein content is 44.5%. Average results for the rapeseed crop are 43.2% oil and 42.8% protein.

### Bulletins and Maps

Preliminary information on the quality of different grades of 1959 Western grain crops was presented at the October meeting of the Committee on Western Grain Standards, and later in the Fall was published as maps and crop bulletins, i.e., two protein maps, (preliminary and final), two bulletins on wheat, one on barley, and one on flax and rapeseed. The usual wide distribution of these publications by mail and over the counter was made by the Laboratory, and large quantities were also sent out by the Canadian Wheat Board. A further distribution of the crop bulletin "Canadian Wheat 1959" was made by the Grain Division, Department of Trade and Commerce, Ottawa, through the offices of Canadian Government Trade Commissioners. Press notices preceded release of all these publications.

Publication of the two quarterly bulletins (one on spring wheat cargoes and one on durum wheat cargoes) was continued throughout 1959. These bulletins were distributed by Canadian Government Trade Commissioners who received supplies by air mail, and by the Laboratory. A large supply of each of the quarterly bulletins for the third quarter of 1958-59 was sent to Switzerland for distribution by Canadian representatives at the Lausanne Fair. The demand for these quarterly bulletins is still increasing, and every effort is made to get them into the hands of readers as soon as possible after the end of each quarter.

## Service to Grain Inspection Branch

During the year the Laboratory continued to work closely with the Grain Inspection Branch by providing such services as were required to aid in grading and associated problems. Among the many problems that always arise in years of wet harvests, the most important this year has been grain drying on farms, and determining the quality of lots of dried grain delivered to country elevators and of carlots shipped to terminal elevators. A similar service is also used to control drying in terminal elevators. This control has necessitated the closest co-operation with the Chief Inspector who must be informed of the results before grades are assigned. A rapid stain test for spotting carlots that contain dried grain has proved invaluable for screening in primary inspection offices. Radio talks and addresses given at various meetings by the Chief Chemist, together with press interviews, brought information to farmers to assist them in their drying operations.

As in previous years, the Laboratory conducted comprehensive quality tests on the tentative Standard and Export Standard samples prepared by the Chief Inspector, and also provided him with information on the quality of samples that were used to make the standard samples. Supervision of moisture testing and of equipment in inspection offices has been continued as one of the Laboratory's responsibilities. This equipment now includes electrical moisture meters as well as Brown-Duvel apparatus.

## Variety Testing

As in the past, the Laboratory continued to take a leading part in quality studies of varieties of spring and durum wheat and malting barley that are sponsored by the Associate Committee on Grain Research. As a result of the large collaborative study on three bread wheat varieties referred to in last year's report, two of the varieties, Pembina and Canthatch, have been licensed by the Canada Department of Agriculture. Both varieties are equal to Marquis in milling and baking qualities. Pembina, which originated from the cross Thatcher x (McMurachy x Exchange x Redman), is more resistant to stem and leaf rust than Selkirk. It is expected that Pembina will eventually replace Selkirk in the Prairie rust area. Canthatch, which originated from the cross Thatcher<sup>6</sup> x Kenya Farmer, is more resistant to stem rust than Thatcher, otherwise the two varieties are essentially the same agronomically. Canthatch, like Thatcher, is susceptible to leaf rust, and consequently is not suitable for the Prairie rust area.

During the year, the Laboratory has continued to supply the wheat breeder with data on the quality of varieties grown in the Uniform Quality Nursery which is maintained as a source of parent stock in the Canadian breeding program. And for the first time, quality tests have been made on a series of winter wheat varieties grown in Western Canada. This is a parallel series to the spring wheat varieties that are studied in annual co-operative tests. Further work has been done in laboratory dehulling technique for detecting loose-hulled barley varieties, and recent results show that the moisture content of the kernels is an important factor in the efficiency of the test. Present information indicates that varietal differences are best detected at moisture levels of 11% and lower, and that the moisture must be known in order to make valid comparisons between varieties. Plant breeders continue to make good use of small-scale prediction tests developed by the Laboratory for segregating promising barley and durum wheat hybrids in early generation stocks, and further progress has been made in developing similar tests for spring wheat varieties.

### Services to Other Organizations

Laboratory services and technical advice to the Canadian Wheat Board to Commercial Counsellors and Trade Commissioners, and to other Government agencies continued on about the same scale as last year. Much of the work relates to the promotion of sales of Canadian grain. Need for factual information on the comparative qualities of Canadian wheat and competing wheats from other countries has resulted in a systematic study which has been conducted by the Laboratory for the past several years. The study is made in co-operation with the Canadian Wheat Board and Canadian Government Trade Commissioners, and each sample represents a parcel of wheat shipped to an importing country. Certain quality tests are made on individual cargoes and more comprehensive tests are made on composite samples of corresponding type. Close liaison has been maintained with the Brewing and Malting Barley Research Institute, Winnipeg, with the Northwest Crop Improvement Association, Minneapolis, and with the Cereal Quality Section, Canada Department of Agriculture. Active participation in the work of the American Association of Cereal Chemists and of the International Association for Cereal Chemists has continued.

### Research

In applied wheat research further improvements have been made in procedure and equipment for test milling. The influence of bushel weight and thousand-kernel weight on the milling and baking quality of average grades has been investigated and the study of the effect of heat conditioning on Canadian wheats has been continued. The quality of semolina from various streams occurring in durum milling, and the effect of bushel weight and kernel size on milling quality of durum are under investigation. A new moulding device for test baking has been developed and put into routine use together with a new "profile" system for the evaluation of the baking quality of wheat varieties. An extensive study of the use of the extensograph for evaluating wheat varieties has been completed and a study made of the reason for anomalous high absorption characteristics. The study of foreign wheats is continuing and special studies of Indian wheats and North African durum have been made. The research project on stored flour is continuing; wheat in store in Western terminals and wheat from the 1959 crop being dried is continually being checked.

Representative of the more basic research on wheat, nine scientific papers have either appeared in print or have been submitted for publication in scientific journals during the year. Other works are in preparation. The projects that have received attention include the following.

The weight per measured bushel, a widely used practical index of the physical quality of grain, has been analyzed in terms of its component factors such as density of packing, kernel density, moisture content, etc. If moisture is absorbed and then desorbed by grain it has been shown that definite irreversible changes in the specific volume are produced.

Kinetic studies of the bromate reaction have yielded further information on the mechanism of this important reaction. It is of some interest to note that oxygen of the air appears to react with the same group as do some of the common chemical reagents. Studies on the disappearance of bromate in bread show that no bromate remains in the baked bread.

The physical properties are generally considered to reflect the chemical composition of the dough. Further work on correlating these two aspects has been carried on during the year. Remixing has an important effect on dough properties. The use of the structural relaxation technique developed in this Laboratory together with specific chemical reagents has yielded new information on this topic.

With the development of a simple relationship between dough mobility and water absorption in the Laboratory, new possibilities have been opened up for research with the farinograph. A new and much needed method based on this relationship has been evolved for the intercomparison of different farinograph instruments used in the same or different laboratories.

These more basic studies contribute to the general store of knowledge which is then used as a basis for the solution of specific practical problems.

In barley research, the second complete malting unit is in operation and additional units for applied research are being constructed. Malts have been prepared of Betzes, a new Two-row variety, for brewing studies in the Brewing and Malting Barley Research Institute. Malts from varieties of high, medium and low wort nitrogen contents were also prepared for brewing studies. Analytical data on the nitrogen complexes of these malts were continued. Tests were made on foreign and Canadian Two-row barleys in order to assess Canadian barley in relation to barleys entering the European market. Studies on cytolytic enzymes were continued and refined methods for separation of the enzyme systems were introduced. In varietal studies, cytolytic activity of the green malt was shown to be more closely related than barley gum composition to variety quality.

### Staff and Facilities

The third award of the National Research Council Postdoctorate Fellowship, tenable in the Grain Research Laboratory, was made to Dr. M. K. Narayanan, of the Central Food Technological Research Institute, Mysore, India. He arrived in November, and Dr. Bloksma, the second Fellow, returned to Holland in July. Dr. Narayanan's main work has been in vitamins and antioxidants, and he will continue studies on the latter subject under Dr. Hlynka. Mr. R. R. Matsuo is on leave at the University of Alberta where he is studying for a Ph.D. degree; he was awarded a Fellowship presented by the Ogilvie Milling Company. Mr. M. H. Birnboim resigned his position as physicist at the end of the year. The positions for two summer students were again filled by Mr. E. J. Zebrowski and Mr. M. A. J. Morello.

Dr. R. Tkachuk and Dr. Cho Ching Tsen have joined the staff of the Basic Wheat Research Section, and Mr. G. C. Martin came to the Applied Wheat Research Section to replace Mr. E. Aston who resigned to enter the teaching profession.

Except for part of the malting laboratory on the main floor, which should be finished next year, the expansion of the Laboratory referred to last year has been completed. All routine studies and services are now consolidated on the main floor of the Grain Exchange Building, with applied and basic research on the eighth floor.

### Overseas Visits and Visitors

Dr. Anderson, accompanied by Mr. Conacher, the Chief Grain Inspector, spent 20 days in the U.S.S.R. where they obtained information on grain production, handling and storage, grading, inspection, milling and baking, on related research and development, and on general administration.

Dr. Meredith attended the Congress of the European Brewing Convention in Rome, Italy, after which he visited Germany, Great Britain and Ireland for discussions on malting and brewing problems with representatives of various companies.

The Laboratory was visited by a mission of engineers from the U.S.S.R., by missions from Great Britain and Norway, and by delegates to the international Botanical Congress on their pre-conference tour of Western Canada. There were also visitors from the United States and from various overseas countries.



## APPENDIX H

## Canadian Government Elevators

A. E. JACOBSON, General Manager

*In accordance with the provisions of Section 166 of the Canada Grain Act and Order-in-Council P.C. 1372 of August 19, 1925, the Board manages and operates five interior terminal elevators at Moose Jaw, Saskatoon, Calgary, Edmonton and Lethbridge, and one terminal elevator at Prince Rupert, and leases one terminal elevator at Port Arthur.*

In the 1958-59 crop year, interior and Prince Rupert elevators were operated under a Semi-Public Terminal Elevator license. Port Arthur continued under lease to McCabe Grain Company Limited.

## Handlings

Receipts in 1958-59 were 8.1% higher than in 1957-58. (18.9 million bushels, 17.4 million bushels.) Shipments were lower by 7.8% (16.7 million bushels, 18.1 million bushels) which is reflected in a higher in-store figure at the end of the crop year. Wheat and barley receipts totalled 13.9 million bushels, 73% of total receipts. Receipts of rapeseed were 4.6 million bushels, an increase of .9 million bushels over last year. This seed was handled at the Moose Jaw, Saskatoon, Calgary and Edmonton elevators. Receipts at Prince Rupert were composed entirely of barley. Receipts and shipments by elevators were:

Elevator	Capacity	Stocks August 1, 1958	Net Receipts	Net Shipments	Stocks July 31, 1959
	million bu.	bu.	bu.	bu.	bu.
Moose Jaw.....	5.50	5,395,723	958,511	958,511	5,395,723
Saskatoon.....	5.50	3,171,128	3,556,372	2,348,459	4,379,042
Calgary.....	2.50	995,060	2,350,330	2,341,836	1,005,479
Edmonton.....	2.35	543,940	2,828,619	2,121,815	1,248,953
Lethbridge.....	1.25	908,585	152,094	110,308	930,371
Prince Rupert.....	1.25	134,890	9,045,909	8,827,466	341,229
<b>Totals</b>	<b>18.35</b>	<b>11,149,326</b>	<b>18,891,835</b>	<b>16,708,395</b>	<b>13,320,797</b>

## Charges

Storage charges at all elevators are unchanged: Interior elevators at 1/45c, Prince Rupert at 1/30c per bushel per day. Storage and elevation charges at Prince Rupert are the same as those in effect at the Lakehead and other Pacific Coast ports. Elevation charges at the interior elevators on wheat, oats, barley and corn are 1 1/4c per bushel, 1c per bushel lower than charges at the Lakehead and Pacific Coast ports; charges on rye and flax at 1 1/4c per bushel and 2 3/8c per bushel respectively, are both 1 1/2c per bushel lower than at the Lakehead and Pacific Coast ports.

# BOARD OF GRAIN COMMISSIONERS

## Maintenance

The Repair and Reconstruction Unit formed in 1958 is near completion of concrete repair at Saskatoon. A portion of key personnel were transferred temporarily to the Moose Jaw elevator to commence similar work required there. Buildings, machinery and trackage at all points were maintained in good condition. Obsolete electric wiring and fixtures are being replaced with new modern material. Work has commenced on installing a dry stand pipe for fire protection in the Moose Jaw, Calgary and Edmonton elevators. Driers at Prince Rupert and Saskatoon were completed and are in satisfactory operation.

## Staff

Staff employed as at December 31, 1959, compared with figures at December 31, 1958, is as follows:

	1959		1958	
	Continuing Establish- ment	Casuals	Continuing Establish- ment	Casuals
Winnipeg (Head Office).....	8	—	8	—
Moose Jaw.....	32	—	31	1
Saskatoon.....	29	15	33	11
Calgary.....	33	3	33	—
Edmonton.....	32	—	32	—
Lethbridge.....	19	—	20	—
Prince Rupert.....	31	25	34	22
Repair and Reconstruction Unit.....	3	4	—	12
	<b>187</b>	<b>47</b>	<b>191</b>	<b>46</b>

## Revenue and Expenditure

Revenue and expenditure for the fiscal year 1958-59 compared with the previous fiscal year were as follows:

	1958-59	1957-58
Revenue.....	\$2,112,904	\$1,826,404
Expenditure.....	1,382,451	1,358,617
<b>Surplus.....</b>	<b>730,453</b>	<b>467,787</b>

For the first nine months of the current fiscal year revenue was \$1,614,412, and expenditure was \$922,311.

## APPENDIX I

Table I-1.—EXPENDITURE, by Point, Branch and General Item, Fiscal Year Ended March 31, 1959

Point and Branch	Salaries	Rent	Travelling Expenses	General Expenses	Total
	\$	\$	\$	\$	\$
WINNIPEG					
Executive.....	68,463.75	12,842.42	7,073.69	9,909.88	98,289.74
Assistant Commissioners.....	11,499.96	1,080.00	1,681.60	343.76	14,605.32
License and Bonding.....	24,924.10	3,237.60	—	3,179.89	31,341.59
Registration.....	41,686.96	4,766.16	382.40	806.49	47,642.01
Research Laboratory.....	199,790.58	35,764.13	7,800.96	98,968.04	342,323.71
Statistics.....	97,195.00	11,037.96	1,303.33	32,719.71	142,256.00
Appeal Tribunal.....	6,660.00	299.22	—	1,367.65	8,326.87
Standards Committee.....	—	—	1,769.16	1,300.00	3,069.16
Inspection.....	647,869.01	29,653.74	5,451.96	57,955.93	740,930.64
Weighing.....	61,060.30	2,173.56	751.55	1,475.16	65,460.57
CHURCHILL					
Inspection.....	23,943.41	15.66	4,835.67	1,087.18	29,881.92
Weighing.....	14,275.92	10.34	3,607.57	693.54	18,587.37
KEEWATIN					
Inspection.....	6,710.22	—	—	5.24	6,715.46
Weighing.....	10,247.34	—	—	38.86	10,286.20
SASKATOON					
Assistant Commissioner.....	12,099.96	—	1,703.58	191.57	13,995.11
Inspection.....	39,825.53	1,237.00	—	1,166.86	42,229.39
Weighing.....	29,420.38	—	—	91.34	29,511.72
MOOSE JAW					
Inspection.....	29,132.37	1,440.00	—	1,248.58	31,820.95
Weighing.....	16,906.92	—	—	16.83	16,923.75
REGINA					
Assistant Commissioner.....	11,874.96	1,897.56	2,205.15	465.05	16,442.72
MEDICINE HAT					
Inspection.....	12,390.00	841.00	—	326.43	13,557.43
Weighing.....	9,739.34	—	—	24.90	9,764.24
LETHBRIDGE					
Inspection.....	9,158.22	—	35.00	201.85	9,395.07
Weighing.....	4,680.00	—	—	9.00	4,689.00
CALGARY					
Inspection.....	110,898.07	7,297.00	600.07	5,115.28	123,910.42
Weighing.....	50,987.43	792.00	1,812.71	433.58	54,025.72
Appeal Tribunal.....	6,660.00	987.00	—	1,251.66	8,898.66
EDMONTON					
Inspection.....	126,294.80	8,609.00	31.90	5,487.65	140,423.35
Weighing.....	16,291.19	—	—	107.60	16,398.79
Appeal Tribunal.....	6,660.00	1,170.00	106.20	877.58	8,813.78
Assistant Commissioner.....	12,099.96	1,992.00	4,084.46	323.52	18,499.94
VANCOUVER					
Inspection.....	217,558.23	8,474.71	114.80	6,086.60	232,234.34
Weighing.....	200,961.56	3,242.34	1,167.22	4,355.90	209,727.02
Registration.....	11,730.00	2,202.20	—	453.60	14,385.80
VICTORIA					
Inspection.....	10,182.40	—	18.20	5.65	10,206.25
Weighing.....	8,828.54	—	—	—	8,828.54

**BOARD OF GRAIN COMMISSIONERS**

**Table I-1.—EXPENDITURE, by Point, Branch and General Item, Fiscal Year ended March 31, 1959—Concluded**

Point and Branch	Salaries	Rent	Travelling Expenses	General Expenses	Total
	\$	\$	\$	\$	\$
PRINCE RUPERT					
Inspection.....	12,967.08	—	441.39	16.94	13,425.41
Weighing.....	12,258.99	—	—	65.00	12,323.99
FORT WILLIAM					
Inspection.....	834,568.97	22,950.00	8,900.57	15,055.26	881,474.80
Weighing.....	653,825.20	4,933.00	26,563.19	10,868.29	696,189.68
TORONTO					
Inspection.....	9,575.59	1,200.00	436.10	529.93	11,741.62
Weighing.....	4,680.00	—	—	4.60	4,684.60
CHATHAM					
Inspection.....	41,283.58	2,980.00	10,996.44	4,571.11	59,831.13
OTTAWA					
Inspection.....	13,020.00	—	2,981.40	169.25	16,170.65
MONTREAL					
Inspection.....	128,578.34	5,595.00	13,086.54	4,134.41	151,394.29
Weighing.....	6,435.00	1,200.00	—	605.03	8,240.03
Registration.....	18,300.00	2,400.00	—	1,195.40	21,895.40
<b>Totals.....</b>	<b>3,904,199.16</b>	<b>182,320.60</b>	<b>109,942.81</b>	<b>275,307.58</b>	<b>4,471,770.15</b>

**Table I-2.—Accrued Revenue, by Point and Branch, Fiscal Year ended March 31, 1959**

Point and Branch	Fees	Samples Sold	Other Revenue (a)	Total
	\$	\$	\$	\$
WINNIPEG				
Executive.....	—	—	—	—
License and Bonding.....	29,055.00	—	—	29,055.00
Registration.....	28,841.58	—	6.00	28,847.58
Appeal Tribunal.....	1,509.00	—	—	1,509.00
Research Laboratory.....	—	—	2.09*	2.09
Inspection.....	354,718.57	8,615.27	3,302.70	366,636.54
Weighing.....	27,309.17	—	1,580.51	28,889.68
CHURCHILL				
Inspection.....	62,094.31	—	—	62,094.31
Weighing.....	31,641.15	—	—	31,641.15
KEEWATIN				
Inspection.....	6,086.90	—	373.88	6,460.78
Weighing.....	9,408.47	—	564.38	9,972.85
SASKATOON				
Inspection.....	26,163.67	898.14	—	27,061.81
Weighing.....	13,224.19	—	—	13,224.19
MOOSE JAW				
Inspection.....	9,379.08	347.10	332.37	10,058.55
Weighing.....	4,831.96	—	157.50	4,939.46
MEDICINE HAT				
Inspection.....	12,942.68	192.39	—	13,135.07
Weighing.....	9,190.91	—	104.34	9,295.25



TRADE AND COMMERCE

**Table I-2.—Accrued Revenue, by Point and Branch, Fiscal Year ended March 31, 1959—  
Concluded**

Point and Branch	Fees	Samples Sold	Other Revenue (a)	Total
	\$	\$	\$	\$
<b>LETHBRIDGE</b>				
Inspection.....	1,714.63	78.97	—	1,793.60
Weighing.....	240.34	—	—	240.34
<b>CALGARY</b>				
Inspection.....	115,385.92	2,352.43	461.50	118,199.85
Weighing.....	19,350.66	—	460.88	19,811.54
Appeal Tribunal.....	1,509.00	—	—	1,509.00
<b>EDMONTON</b>				
Inspection.....	90,201.93	1,741.92	875.92	92,819.77
Weighing.....	5,632.60	—	355.01	5,987.61
Appeal Tribunal.....	1,008.00	—	—	1,008.00
<b>VANCOUVER</b>				
Inspection.....	309,084.32	9,861.07	541.69	319,487.08
Weighing.....	236,996.56	—	268.90	237,265.46
Registration.....	13,112.42	—	—	13,112.42
<b>VICTORIA</b>				
Inspection.....	4,230.10	38.41	—	4,268.51
Weighing.....	3,648.58	—	—	3,648.58
<b>PRINCE RUPERT</b>				
Inspection.....	23,684.72	196.71	88.44	23,969.87
Weighing.....	16,988.43	—	149.85	17,138.28
<b>FORT WILLIAM</b>				
Inspection.....	678,076.12	8,595.07	2,407.97	689,079.16
Weighing.....	513,014.06	—	5,187.66	518,201.72
<b>TORONTO</b>				
Inspection.....	5,452.23	73.50	130.76	5,656.49
Weighing.....	4,680.00	—	—	4,680.00
<b>CHATHAM</b>				
Inspection.....	44,575.70	650.71	1,864.44**	47,090.85
<b>MONTREAL</b>				
Inspection.....	13,299.99	681.91	826.19	14,808.09
Weighing.....	65.25	—	—	65.25
Registration.....	10,951.73	—	—	10,951.73
Appeal Fees.....	3.00	—	—	3.00
<b>Totals.....</b>	<b>2,739,302.93</b>	<b>34,323.60</b>	<b>20,042.98</b>	<b>2,793,669.51</b>

(a) Details in Table I-4.

\*Refund of Previous Year's Expenditure.

\*\*Includes \$5.72 Refund of Previous Year's Expenditure.

**BOARD OF GRAIN COMMISSIONERS**

**Table 1-3.—Accrued Revenue and Net Expenditure, by Points and Branches, Fiscal Year ended March 31, 1959**

	Inspection	Weighing	Appeal Tribunals	Registra- tion	License and Bonding	Statistics	Research Laboratory	Grain Standards Com- mittees	Adminis- tration	Total
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
<b>REVENUE</b>										
Winnipeg.....	366,636.54	28,889.68	1,509.00	28,847.58	29,055.00	—	2.09	—	—	454,939.89
Churchill.....	62,094.31	31,641.15	—	—	—	—	—	—	—	93,735.46
Keewatin.....	6,460.78	9,972.85	—	—	—	—	—	—	—	16,433.63
Saskatoon.....	27,061.81	13,224.19	—	—	—	—	—	—	—	40,286.00
Moose Jaw.....	10,058.55	4,989.46	—	—	—	—	—	—	—	15,048.01
Regina.....	—	—	—	—	—	—	—	—	—	—
Medicine Hat.....	13,135.07	9,295.25	—	—	—	—	—	—	—	22,430.32
Lethbridge.....	1,793.60	240.34	—	—	—	—	—	—	—	2,033.94
Calgary.....	118,199.85	19,811.54	1,509.00	—	—	—	—	—	—	139,520.39
Edmonton.....	92,819.77	5,987.61	1,008.00	—	—	—	—	—	—	99,815.38
Vancouver.....	319,487.08	237,265.46	—	13,112.42	—	—	—	—	—	569,864.96
Victoria.....	4,268.51	3,648.58	—	—	—	—	—	—	—	7,917.09
Prince Rupert.....	23,969.87	17,138.28	—	—	—	—	—	—	—	41,108.15
Fort William.....	689,079.16	518,201.72	—	—	—	—	—	—	—	1,207,280.88
Toronto.....	5,656.49	4,680.00	—	—	—	—	—	—	—	10,336.49
Chatham.....	47,090.85	—	—	—	—	—	—	—	—	47,090.85
Ottawa.....	—	—	—	—	—	—	—	—	—	—
Montreal.....	14,808.09	65.25	3.00	10,951.73	—	—	—	—	—	25,828.07
<b>Totals.....</b>	<b>1,802,620.33</b>	<b>905,051.36</b>	<b>4,029.00</b>	<b>52,911.73</b>	<b>29,055.00</b>	<b>—</b>	<b>2.09</b>	<b>—</b>	<b>—</b>	<b>2,793,669.51</b>

TRADE AND COMMERCE

Table I-3.—Accrued Revenue and Net Expenditure, by Points and Branches, Fiscal Year ended March 31, 1959—Concluded

	Inspection	Weighing	Appeal Tribunals	Registra- tion	License and Bonding	Statistics	Research Laboratory	Grain Standards Com- mittees	Adminis- tration	Total
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
EXPENDITURE										
Winnipeg.....	740,930.64	65,460.57	8,326.87	47,642.01	31,341.59	142,256.00	342,323.71	3,069.16	112,895.06	1,494,245.61
Churchill.....	29,881.92	18,587.37	—	—	—	—	—	—	—	48,469.29
Keewatin.....	6,715.46	10,286.20	—	—	—	—	—	—	—	17,001.66
Saskatoon.....	42,229.39	29,511.72	—	—	—	—	—	—	13,995.11	85,736.22
Moose Jaw.....	31,820.95	16,923.75	—	—	—	—	—	—	—	48,744.70
Medicine Hat.....	13,557.43	9,764.24	—	—	—	—	—	—	—	23,321.67
Regina.....	—	—	—	—	—	—	—	—	16,442.72	16,442.72
Lethbridge.....	9,395.07	4,689.00	—	—	—	—	—	—	—	14,084.07
Calgary.....	123,910.42	51,025.72	8,898.66	—	—	—	8,898.66	—	—	186,834.80
Edmonton.....	140,423.35	16,398.79	8,813.78	—	—	—	—	—	18,499.94	184,135.86
Vancouver.....	232,234.34	209,727.02	—	14,385.80	—	—	—	—	—	456,347.16
Victoria.....	10,206.25	8,828.54	—	—	—	—	—	—	—	19,034.79
Prince Rupert.....	13,425.41	12,323.99	—	—	—	—	—	—	—	25,749.40
Fort William.....	881,474.80	696,189.68	—	—	—	—	—	—	—	1,577,664.48
Toronto.....	11,741.62	4,684.60	—	—	—	—	—	—	—	16,426.22
Chatham.....	59,831.13	—	—	—	—	—	—	—	—	59,831.13
Ottawa.....	16,170.65	—	—	—	—	—	—	—	—	16,170.65
Montreal.....	151,394.29	8,240.03	—	21,895.40	—	—	—	—	—	181,529.72
Totals.....	2,515,343.12	1,165,641.22	26,039.31	83,923.21	31,341.59	142,256.00	342,323.71	3,069.16	161,832.83	4,471,770.15

BOARD OF GRAIN COMMISSIONERS

Table I-4.—Summary of Operations by Branches, Fiscal Year ended March 31, 1959

	Inspection	Weighing	Appeal Tribunals	Registra- tion	License and Bonding	Statistics	Research Laboratory	Grain Standards Com- mittees	Adminis- tration	Total
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
REVENUE										
Fees.....	1,757,090.87	896,222.33	4,029.00	52,905.73	29,055.00	—	—	—	—	2,739,302.93
Samples Sold.....	34,323.60	—	—	—	—	—	—	—	—	34,323.60
Other Revenue:										
Overtime Refunded	7,728.86	8,746.07	—	—	—	—	—	—	—	16,474.93
Express Charges.....	3,457.00	—	—	—	—	—	—	—	—	3,457.00
Jury Fees.....	—	79.50	—	—	—	—	—	—	—	79.50
Fines.....	—	—	—	—	—	—	—	—	—	—
Refund of Previous	—	—	—	—	—	—	—	—	—	—
Year's Expenses.....	5.72	—	—	—	—	—	2.09	—	—	7.81
Miscellaneous	14.28	3.46	—	6.00	—	—	—	—	—	23.74
Revenue.....	—	—	—	—	—	—	—	—	—	—
Totals.....	1,802,620.33	905,051.36	4,029.00	52,911.73	29,055.00	—	2.09	—	—	2,793,669.51
EXPENDITURE										
Salaries.....	2,273,955.82	1,100,598.11	19,980.00	71,716.96	24,924.10	97,195.00	199,790.58	—	116,038.59	3,904,199.16
Rent.....	90,293.11	12,351.24	2,456.22	9,368.36	3,237.60	11,037.96	35,764.13	—	17,811.98	182,320.60
Travel.....	47,930.04	33,902.24	106.20	382.40	—	1,303.33	7,800.96	1,769.16	16,748.48	109,942.81
General Expenses.....	85,752.14	12,302.39	3,468.31	1,618.26	1,268.23	26,370.49	97,297.43	1,300.00	9,555.60	238,932.85
Printing and	—	—	—	—	—	—	—	—	—	—
Stationery.....	17,412.01	6,487.24	28.58	837.23	1,911.66	6,349.22	1,670.61	—	1,678.18	36,374.73
Totals.....	2,515,343.12	1,165,641.22	26,039.31	83,923.21	31,341.59	142,256.00	342,323.71	3,069.16	161,832.33	4,471,770.15



## APPENDIX J

### Regulations

Regulations in effect December 31, 1959, made in accordance with the provisions of the Canada Grain Act

Regulation  
No.

- 1 Registration and Cancellation of Terminal Elevator Warehouse Receipts.
- 2 Registration and Cancellation of Eastern Warehouse Receipts and Transfer Receipts.
- 3 Plans re Terminal and Eastern Elevators.
- 4 Cleaning of Grain and Bins.
- 5 Off Grades for Western Grain.
- 6 Off Grades for Eastern Grain.
- 7 Grades of Screenings.
- 8 Inspection of Samples taken other than at an Inspection Point.
- 9 Appeals from Inspecting Officers to Grain Appeal Tribunals.
- 10 Delivery of Grain to Ocean Vessels at Montreal, Quebec.
- 11 Delivery of Grain to Ocean Vessels at West Saint John, N.B.
- 12 Delivery of Grain to Ocean Vessels at East Saint John, N.B.
- 13 Delivery of Grain to Ocean Vessels at Halifax, N.S.
- 14 Enforcement of Lien by Sale of Grain.
- 15 Drying of Grain.
- 16 Fees.
- 17 Records, Reports and Returns.
- 18 Procedure, Country Elevators.
- 19 Receipt for Grain Delivered to Private Country Elevators and Mill Elevators.
- 20 Maximum Tariff of Charges, Eastern Elevators.
- 21 Maximum Tariff of Charges and Shrinkage Allowance, Country Elevators.
- 22 Maximum Tariff of Charges, Terminal Elevators.
- 23 Applications for Licenses, and Terms and Conditions under which Licences are issued.
- 24 Storage in Transit of Grain Grown Outside Canada.
- 25 Tickets and Receipts—Country Elevators.
- 26 Grain Treated with Poisonous Materials.
- 27 Shipment of Infested Grain.



[illegible]

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